ANAGERS

(SECOND apt. CHAS

GINEER on), by T.

je Mining Immal, COMMERCIAL GAZETTE: AND

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1487.—Vol. XXXIV.

RAILWAY

LONDON, SATURDAY, FEBRUARY 20, 1864.

(SUPPLEMENT) STAMPED.....SIXPENCE. UNSTAMPED...FIVEPENCE;

M. R. JAMES CROFTS, SHAREBROKER,
Mr. CROFTS transacts business, in the way of PURCHASE or SALE, in every description of stocks, but particularly in BRITISH MINES, in no case departing from the position of a broker, at net prices. All orders meet with the utmost punctuality and zeal, and advice given as to the nature and eligibility of INVESTMENTS, when required, EXCHANGES OF STOCK effected on the most advantageous basis, subject only to one commission.

BUSINESS in Brynford Hall, Central Minera, Cefn Cilcen, Bedol-Aur, and Twelve

Apostless.

*** BEDOL-ACE.,—See Journal for notice of special meeting of shareholders. Improved report. Qre and "bwyr" from the lode now developing in the pulley shaft for inspection, at the offices of the company, No. 3, Great St. Helen's.

BUYER of New Martha, East Grenville, Illogan.

BUYER of New Martna, East Grenville, Hogan.

M. R. JAMES LANE, No. 44, THREADNEEDLE STREET, LONDON, E.C.

JAMES LANE has FOR SALE, at nett prices:—20 Buller and Basset (call paid), 10s.; 9 Buller, £41;; 50 Crebor, 45s.; 20 Drake Walls; 50 East Jane, 56s.; 20 East Carn Brea, £74; East Providence, £44; 20 East Lovel; 20 East Russell, £4; 20 East Seton, 7s. 6d.; 50 Furse Hill Wood, 7s. 6d.; 50 Great Wheal Busy, £44; 5 Grambler and St. Aubyn, £104; 5 6 Kelly Bray, 4s. 6d.; 60 Molland, 6d.; 20 New Wheal Martha, £14; 50 North Minera, 11s.; 50 New Birch Tor and Vitifer, £24; 50 North Jane; 20 North Treskerby, £3; 5 Okel Tor; 3 South Francest, £56; 20 Treworlis, £24; 10 Trelawny, £24; 40 Wheal Crofty, £24; 50 Wheal Hearie, 4s. 6d.; 20 Union, £34; 10 Vigra and Clogau, £424.

HAREHOLDERS IN MINES AND CAPITALISTS will do well to READ PETER WATSON'S "WEEKLY MINING CIRCULAR" of Friday, the 5th February (No. 309, Vol. 7). Price 6d. each copy (post paid). Forwarded on application. In this Circular there are four valuable mines mentioned which are certain to pay good dividends, and the price of shares greatly advance. 79,01d Broad-street, London, E.O.

STOCK AND SHAREDEALER.—MR. PETER WATSON, ENGLISH AND FOREIGN STOCK, SHARE, AND MINING OFFICES, 79, OLD BROAD-STREET, LONDON, E.C. TELEGRAPHIC MESAGES to BUY or SELL Railway, Bank, Mine, and other Shares and Stocks, punctually attended to on commission, or at nett prices for cash, or for fortnightly settlements, with advice as to purchases or sales.

Xineteen years' experience.

(Two in Cornwall and Seventeen in London.)

(Two in Cornwall and Seventeen in London.)

Bankers: Union Bank of London, and the Alliance Bank of London and Liverpool.

Every information can be obtained on personal application or by letter, as to purchases and sales of mine and other shares, and the best investment for capital.

From the close proximity of his Offices to the Stock Exchange, as well as the Mining Exchange, Free Warson is enabled to act with promptitude on all orders entrusted to him, which at all times are carried out with punctuality, and to the best advantage of his clients.—February 19, 1864.

PETER WATSON'S WEEKLY MINING CIRCULAR AND SHARE LIST, published every Friday, price 6d. each copy, forwarded on application. This Circular contains weekly important information with respect to all the principal dividend and progressive mines in Devon and Cornwall.

79, Old Broad-street, London, E.C.

MR. W. LELEAN, 11, ROYAL EXCHANGE, LONDON, E.C. M. W. LELEAN, 11, KOYAL EXUHANGE, LONDON, EXU, has the following SHARES FOR SALE, which he strongly recommends for investment or speculation:—2 Botaliack, £287½; 150 Wheal Crebor, 44s. 9d. (call paid); 30 East Loveli; 1 Providence, £45; 5 Nanglies, £364; 5 West Chiverton; 20 East Rosewarne; 15 Hingston Down; 10 Burra Burra, £115; 10 Great Laxey, £5½; 5 New Rosewarne; 20 Prosper United; 50 Cuddra, 22s. 6d.
Shares bought and sold on the usual commission. Telegraphic messages promply attended to. Mines inspected, and reliable information given. Established 15 years.

Bankers: Robarts, Lubbock, and Co.

MR. E. GOMPERS, MINING OFFICES, BUSINESS TRANSACTED in BRITISH and FOREIGN STOCKS and SHARES.

Terms, 14 per cent.

Bankers: London and Westminster Bank.

WILLIAM ALLISON, STOCK, SHARE, AND MINING BROKER, 29, AUSTINFRIARS, LONDON, E.C. Orders to buy or sell, accompanied by references, punctually attended to.

MR. WM. BIRDSEY, MINE AND SHARE BROKER, No. 2, CROWN COURT, THREADNEEDLE STREET, LONDON, E.C. ESTABLISHED THIRTY-SIX YMARS.

W. BIRDSEY is always in a position to give the soundest advice in all mining matters, whether to buy or sell; and is a BUYER of the following shares, or any part: -500 Trelowsth; 500 North Shopherds; and has business in St. Just United, Roaring Water Mines, and Pendeen Consols.

MR. WILLIAM MARLBOROUGH, 48, THREADNEEDLE
STREET, LONDON, E.C., has FOR SALE the FOLLOWING SHARES at
net prices, for cash:—
25 Bryntail, £1½, 25 Wheal Crebor, 43s. 9d.
100 Bedoi-Aur, 10s. 6d.
30 Wh.Granville, £5 11 3.
11 Great Laxey, £5%.
120 East Lovell, £2s.
120 East Lovell, £2s.
121 East Lovell, £2s.
122 East Lovell, £2s.
123 East Lovell, £2s.
124 East Lovell, £2s.
125 East Could their purchase.
125 East Lovell, £2s.
126 East Lovell, £2s.
127 East Lovell, £2s.
128 East Lovell,

month. Prospects are improving.

M. R. J. W. G. I. L. B. E. R. T., (late of St. Day, Cornwall),
MINING BROKER,

1, PINNER'S COURT, OLD BROAD STREET.

Mr. Gilbert is in a position to give reliable information respecting Prosper United,
East Wheal Lovell, Nangiles, Wheal Grenville, and Wheal Stoon.

FOR SALE:—20 East Wheal Lovell, £8; 10 Prosper United, £7; 4 Seton, £183.

Mr. Gilbert is a Seller of 20 New Rosewarne, two months on, at £10 per share.

M. G. D. SANDY, SHAREDEALER, No. 48,
THREADNEEDLE STREET, LONDON, E.C.

FOR SALE:—
FOR SALE:—
6 Bryn Gwiog, £35%.
40 E. Rosewarne, £2 13 9 100 Bedol-Aur, 10s. 3d.
25 Camb. Vean, £2 13s 9d
10 Chiverton.
10 Great Busy, £4%.
20 East Lars Brea.
20 North Basset, £2 7s 6d
10 North Crofty.
20 East Cars Brea.
30 East Grenville, £2 139
30 Screnville, 5s, 9d.
30 Great Subsy.
30 Grenville, 5s, 9d.
30 Great Subsy.
30 East Grenville, £2 139
30 Screnville, 5s, 9d.
30 Great Subsy.
30 East Grenville, £2 139
30 Screnville, 5s, 9d.
30 Tolvadden.
4 correct daily price list will be forwarded on application.
30 Business transacted at the closest market prices.

MR. J. M. SMITH, 38, THREADNEEDLE STREET, strongly recommends Wheal Buller, Wheal Curtis, Wheal Crofty, and Wheal Dyvidend Mines; and East Fool, Wheal Seton, and West Seton among Dividend Mines.

t-Stock Companies Share Price List and Mini crested in mining or commercial companies. Will be forwarded

MR. D. STICKLAND, M.E., having had upwards of 40 years' mining experience in Cornwall, several years of which he has had the entire management of alines therein, enables him to GIVE GOOD ADVICE thereon.

MINES INSPECTED and faithfully REPORTED ON. DEALER in MINING, RAILWAY, and OTHER SHARES.

His monthly "Circular" for February contains a selected list of Cornish and other mines. Forwarded on receipt of six postage stamps.

38, Dowgate-hill Chambers, London, E.C.

R. GEORGE BUDGE, SHAREBROKER, No. 4, ROYAL EXCHANGE BUILDINGS, LONDON, £.C. (Established 17 years), has FOR SALE at not prices:—30 North Biller; 100 Higgan, 16s.; 60 Kelly Bray, 10s.; 20 Bryntall, £2%; 25Wheai Chiverton,£19%; 50, Gawton, 13s. 6d.; 30 Hingaton Down, £5%; 20 Grant Buay, £4¼; 3 Wheai Buller; 30 Granville, £5%; 20 Wheai Cartis, £6½; 20 Grant Buay, £4¼; 3 Wheai Buller; 30 Granville, £5%; 20 Wheai Cartis, £6½; 20 Grant Buay, £4½; 35 Frosper United; 10 Weat Chiverton,£17; 15s. 6d.; 158 North Minera (Freference), 18s. 6d.; 100 Santa Barbara, 12s.; 75 Wheai Unity, 8s.; 10 New Rosewarne, £124; 25 Prosper United; 10 Weat Chiverton,£67; 150 Dale, 16s. 07 Vallanzasea; 200 Nanteos, 10; 200 Don Pedro North del Rey, 16s.; 120 East Seton, 7s.; 100 Nova Scotia (Gold); 100 Vale of Towy, 4s. 6d.; 50 West Maria and Fortscuse; 85 Hawkmoor, 2s. 9d.; 150 Sparnon, 8s.; 70 Pedn-an-drea; 2 Seton, £180; 250 Great Northern (Copper), 1s. 3d.; 150 West Trevelyan; 45 Okel Tor; 2 South Frances; 150 Anglo Brazilian, 5s. 9d.; 5 New Birch Tor and Vitifer, 2d. 1ss.; 60 Trewetha, 17s. 6d.; 130 Garreg; 25 Camborne Vean, £3%; 20 Treloweth; 7 Great Fortune, £30; 30 Bronfloyd; 50 East Wheal Ellen, £3%; 100 South Condurrow; 100 Sovereign (Gold), 5s. 9d.; 20 Sithney and Carnmeal. MR. GEORGE BUDGE, SHAREBROKER, No. 4, ROYAL

G E O R G E M O O R E, In any business that GRORGE MOORE is favoured with, in which he is the buyer, he will give CASH ON RECEIPT OF TRANSFER. G

MESSES. VIVIAN AND REYNOLDS, 68, OLD BROAD STREET, LONDON, F.C., MINING ENGINEERS, INSPECTORS of MINES, COMMISSION, and GENERAL AGENTS for the PURCHASE or SALE of MINE SHARES, RAILWAY, and EVERY OTHER DESCRIPTION of STOCK.

Commission on sharetransactions 1½ per cent. on £100 and above, and 2½ per cent. on less sums.

MR. EDWARD COOKE, MINING SHAREBROKER, 75, OLD BROAD STREET, LONDON, E.C. Reliable information given on application, relative to the merits of mines, either for speculation or investment.

TO INVESTORS IN MINES.—Mr. EDWD. COOKE begs to direct the attention of investors in mines to his weekly article in another page of the Journal, which contains some observations on the mines in the Grylis and Chiverton district.

Feb. 19, 1864.

Bankers: Alliance Bank, Lothbury.

ORTH CHIVERTON.—EDWD. COOKE is instructed to SELL ONE THOUSAND SHARES in the above most promising mine, at £2 10s. per share net. An early application should be made, as the first applicants will secure the full number they apply for until the 1000 are distributed. Cheques payable to the North Chiverton Company, crossed to the Alliance Bank, Lothbury, to accompany an application for the number of shares required.

75, Old Broad-street, February 19, 1864.

M. R. GEORGE BATTERS strongly recommends his friends to buy Tincroft, West Chiverton, Chiverton, Herodsfoot, South Caradon, and Devon Great Consols for investment. These shares will pay good interest for money at present quotations.—76, Old Broad-street, E.C.

WILLIAM SEWARD, MINING BROKER, STOCK AND SHAREDEALER, 31, THROGMORTON STREET, LONDON, E.C. Commission, 1½ per cent. on all transactions.

THOMAS HAMILTON (late of Truro), STOCK AND SHAREBROKER,
4, AUSTINFRIARS, OLD BROAD STREET, LONDON, E.C. Mine shares bought and sold on the usual commission.

MR. THOS. THOMPSON, MINING OFFICES, 12, OLD JEWRY CHAMBERS, LONDON, E.C.

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ORTH TRESKERBY.—The accounts for the next meeting will show a far greater profit than the last, and a good dividend will be again declared. In the meantime there are several most important points to come of; either of which may send the price of shares to double their present value. The mine, seiling at about £3 per share, with a large balance in hand, and a permanent dividend mine, is about half the price of other mines making regular calls, with no prospect of dividends. Orders executed, as buyer or seller, by G. Rice, 5, Cowper's-court, Birchin-lane, London.

Orders executed, as buyer or seller, by G. Rics, 5, Cowper's-court, Birchin-lane, London.

JAMES HUME, SHAREBROKER, 74, OLD BROAD STREET,
AND MINING EXCHANGE, LONDON, E.C.
J. HUME's "Circular" contains special notices and reports of the following mines, namely:—Great Fortune, East Lovel, Nanglies, Crebor, Charlotte United, Prosper United, South Condurrow, &c. FOR SALE:—
100 South Condurrow, &c. FOR SALE:—
100 South Condurrow, &c. FOR SALE:—
100 South Fortune, £19, 50 Wheal Crebor, 47s, 6d. 10 East Grenville, £374, 10 Great Fortune, £19, 50 Wheal Crebor, 47s, 6d. 10 East Carn Brea, £374, Mr. HUME has special business in South Condurrow. Sellers or buyers will please state limit. He will also advise on all the market mines.
Chenor.—This mine is now one of the safest investments on or off the market. The capital secount is now closed, and in future the returns are expected to give good profits, and shortly to enter the Dividend List. The position attained by Crebor is only begining to be appreciated. Shares are advancing, and will soon be £4.
In all commission transactions, Mr. HUME returns to clients the price dealt at.
Bankers: London Joint-Stock Bank.

M ESSRS. WARD AND JACKMAN, STOCK AND SHAREBROKERS, 2, ADAM'S COURT, OLD BROAD STREET, AND MESSRS. WARD AND JACKMAN, STOCK AND SHAREBROKERS, 2, ADAM'S COURT, OLD BROAD STREET, AND MINING EXCHANGE, LONDON, E.C. (EPTABLISHED ELEVEN YEARS.)
TRANIACT BUSINESS IN BRITISH AND FOREIGN MINING SHARES and OTHER SECURITIES at closest prices, nettor or commission, but not being DEALERS only execute orders confided to them.
Telegraphic messages to buy or sell shares of every description promptly executed for immediate cash, or the fortnightly settlements.
Messrs. WARD and JACKMAN beg to record their appreciation of the widely extended patronage they have received during the year 1863. This continued confirmation of the policy, of their system of bubiness affords them much pleasures, and then now beg to hope that, by care and stiention to every order (of whatever extent) that is entristed to them, they may still continue to deserve the confidence of their clients.
Commission, 1% per cent. on all transactions.

Feb. 19, 1864. Bankers: London and Westminster, Lothbury.

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VALUABLE MINING SHARES FOR SALE BY PUBLIC AUCTION.

MR. T. P. THOMAS has been favoured with instructions to SELL by PUBLIC AUCTION at Garraway's Coffee-house, Change-alley, Cornhill, London, on Thursday, the 26th day of February, 1864, at One o'clock, the following VALUABLE SHARES:—

6 Billings (forfeited shares)

6 Second Barres)

6 Second Barres

6 South Phonix.

26 South Phonix.

26 South Phonix.

27 South Phonix.

28 South Phonix.

29 South Phonix.

20 Sefa Cilcen.

20 Sefa Cilcen.

20 Sefa Cilcen.

20 East Wheai Loveli.

20 East Wheai Loveli.

20 East Wheai Loveli.

20 East Wheai Loveli.

20 So. Foxdale Lead (Isle of Man),

21 South Carn Brea.

22 So. Foxdale Lead (Isle of Man),

25 South Phonix.

26 South Phonix.

27 South Carnol.

28 St. Just Consols.

38 West Par.

19 West Frances.

38 West Par.

19 West Frances.

38 West Par.

19 West Frances.

39 Wheal Prosper (Breage)

30 Wheal Robert.

10 Wheal Hartley.

10 Wheal Hartley.

10 Wheal Hartley.

10 Wheal Hartley.

10 Wheal Condon.

50 Folligey Moor.

50 Polligey Moor.

5 VALUABLE MINING SHARES FOR SALE BY PUBLIC AUCTION.

FOR SALE, BY AUCTION, EAST WHEAL MARTHA MINE, LAMERTON, IN THE COUNTY OF DEVON.

M. R. T. P. THOMAS has received instructions from the Liquidators to SELL, BY FUBLIC AUCTION, at Garraway's Coffee House, Change-alley, Cornhill, London, on Thursday, the 25th day of February Instant, at Two o'clock, in one lot, all that VALUABLE MINE. Together with the MATERIALS, &c., known as the EAST WHEAL MARTHA COPPER MINE, situate in the northern part of Lambercoe, in the partsh of Lamerton, in the county of Devon.

The sett is extensive, held on lease for 21 years, from 1st August, 1861, at £5 per annum, and 1-12th royalty, the present company have paid to the lord £1500, which is to be silowed out of the royalty.

For further particulars, and to view, application to be made to Mr. George SEARBY or to the auctioneer, 2 Crown-court, Threadneedie-street, London.

MR. T. E. W. THOMAS, MINING AGENT AND GENERAL

2, PINNER'S COURT, OLD BROAD STREET, LONDON.

Mr. THOMAS has with great care, and with his best judgment, selected a few mines, the shares of which he recommends as the best purchases that can be made at the present time for an immediate rise and steady advance during the present year.

Mr. Thomas invites special attention to this list, embracing as it does both dividend and progressive mines of rare prospects; the former now yielding a high rate of interest; the latter about commencing dividends.

Descriptive particulars of each mine are given, with rate of dividends, time of payment, latest market prices, &c. Free by post for six stamps.

MR. FRANCIS G. LANE, No. 2, ROYAL EXCHANGE,
LONDON, E.C., has the following SHARES FOR SALE:—
20 Hingston, £6_20\$, 100 Trumpet United, 2s. 6d. 20 St. Just United, 60s.
50 N. Wh. Martina, 26s 6d 100 Hawkmoor, 3s. 25 Wheal Ludeout, 56s.3d.
40 Drake Walls, 40s. 50 St. Day United, 36s 6d. 50 Wh. Grenville, £5 11 3
50 Glasgow Caradon, £3_3\$ 20 New Birch Tor, 56s. 3d. 100 E. Clogan (fully pd.), 6s
50 West Mariaand Fortes—
15 Chiverton, £13_2\$.
20 New Birch Tor, 56s. 3d. 100 E. Clogan (fully pd.), 6s
50 West Chiverton, £13_2\$.
20 Least Carn Brea, £7_2\$.

BUYER of 100 Great Devon and Bedford (Colcharton), 30s. paid, 32s. 6d.

Bankers: London and County Bank.

JAMES B. BRENCHLEY, 78, OLD BROAD STREET, LONDON, E.C. PURCHASES and SALES EFFECTED in BRITISH MINES, in RALLWAY, BANK, and other SHARES, at close market prices. Cash on delivery of transfer.

of transfer.

FOR ESPECIAL SALE: -25 East Providence, £4; 25 Rosewarne United, 26s.; 50 Wheal Ida, 6s. 3d., each nett.

Bankers: London and Westminster.

SHARES WANTED.—State number and lowest price. At the same HARES WANTED.—State number and lowest price. At the same time they are strongly recommended for immediate investment and great advance. West Caradon, £2½.

Gonamens, £3½.

Drake Walis, £1½.

Grambler and St. Aubyn.

East Basset, £70.

Rosewarne United.

Trencrom.

Kitty (Leiant), £13.

Mining Offices, 77, Old Broad-street, London, February 19, 1864.

M. WILLIAM WARD (late with Messrs. Dunsford and Ranken), SHAREBROKER, 29, THREADNEEDLE STREET, LONDON, E.C. RICHARD CLIFT, MINE SHAREDEALER, late of Redruth, now 48, THREADNEEDLE-STREET, LONDON, where all letters are to be addressed.

MR. H. WADDINGTON, MINING AND SHAREBROKER,
26, THROGMORTON STREET, LONDON, E.C.
Shares in railways, mines, &c., bought and sold on the usual commission.

JOHN RISLEY, 32, LOMBARD STREET, LONDON, E.C., SHARES in MINES BOUGHT and SOLD on commission, at 1½ per cent., for manediate cash. Bankers: London and Westminster, Lothbury.

JOSEPH GREGORY, STOCK AND SHAREBROKER, 2, HATTON COURT, THREADNEEDLE STREET, LONDON, E.C. Commission on purchase and said of mining shares, 1½ per cent. Bankers: City Bank.

MRI WALTER TREGELLAS, STOCK AND SHAREBROKER, 12, ST. MICHAEL'S ALLEY, CORNHILL, LONDON, E.C. Mr. TREGELLAS strongly recommends the purchase of Santa Barbara Gold, North Shepherds, and Chiverton Consols shares.

MR. T. ROSEWARNE, 81, OLD BROAD STREET,

Bedford United. East Gunnis Lake. Chiverton. East Grylls. Chiverton Moor. Clifford Amalgamated. Great Fortune, Clow's Kitchen. Gawton United. Chast Rossell. East Rossell. Kelly Bray. East Rossell. East Basset. East Caradon. North Treskerby. East Caradon. North Treskerby. East Lovell. North Crofty. Wheal Identify. Kitty (St. Agnes). East Lovell. Prosper United. St. Day United, Tincroft. Wheal Uny. Wheal Seton. Wheal Edward. Wheal Grebor. Wheal Basset. Kitty (St. Agnes) Wheal Buller. Wheal Curtis. North Crofty. East Lovell. North Croity. Wheat Curity.
East Carn Brees. Nanglies.
T. ROSEWARNE begs to inform his friends and clients that he is on a tour of inspection of the leading mines in Devon and Cornwall, and on his return will be happy to give that information his practical experience enables him to offer.
Feb. 19, 1864. Bankers: Bank of London.

GEORGE SEARBY, No. 2, CROWN COURT,
RELIABLE INFORMATION respecting mining operations may be had by applying

HENRY GOULD SHAREDEALER.

No. 32, POULTRY, LONDON, E.C.,

Recommends the immediate purchase of shares in the following mines:—
Chiverton, £134.
Chiverton Moor, £6.
Wheal Grenville, £54.
Wheal Trelawny, £234.
Lady Bertha, 16s.
East Chiverton £34.
Clifford Amal., £384.
Bankers: London and Westminster, Lothbury, E.C.

MANCHESTER.

MAN NAM, MINING, SLATE QUARRYING,
INSURANCE, AND GEERRAL SHAREBROKER,
ROYAL INSURANCE BULDINGS, KING STREET, MANCHESTER,
A Monthly Investment Circular on application.

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app to the full Management of the full Manage

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stand may An

Original Correspondence.

APPLICATION OF MACHINERY TO MINING, &c.

APPLICATION OF MACHINERY TO MINING, &c.

I am glad to learn, from Captain Eanor's letter in the Mining Journal of last week, that he "has advocated for 20 years the use" of machines for boring rocks for blasting. Why, then, blame a member of the Cornwall and Devon Mining Association, for laying before it some details and drawings of the first that has been used in the world (continuously), and, let me add, with undisputable success, in the Mont Cenis Tunnel? Its arrangements and dimensions of parts can be modified for working in a mine level. The cylinder may be shortened and enlarged; and in lieu of the long racks on which the borer advances, and by which it is steadled, other appliances may be used, but with greater facilities, as in E. S. Crease's and G. Low's machines, for sinking a hole in the upper part of an end, at as great an angle with the horizon as can be done with the mallet. But its essentials—the motive-power, the rotation and rapid percussion of the chisel (not resembling the action of a gimlet, as erroneously stated in the "West-minster Review") can hardly be dispensed with. It may be long before Sommeiller's method admits of universal application, but it has already enabled him to advance at a giant's pace. Nearly 50 years ago I applied a screw (as a propeller) to the stern of a boat on Perran River, perhaps for the first time in Great Britain; not a long period elapsed before experiment had determined its best form for ocean voyages. In the Mont Cenis Tunel more holes are required (ndarly 60 in a shift) than if the framework of the machine did not over nearly the whole face of the rock; there more time may be saved by rapidly boring many holes, than by giving different directions to several of the borers at the same time, although by the latter a greater burthen might be blasted. Captain Ennor is quite correct as to watch (in the end of the bunnel) the progress of 8 or 10 borers, with as many jets of water, and 16 or 20 pistons, each moving 200 times in a minute. I have not carried a candle u am glad to learn, from Captain Ennor's letter in the Mining Journ st week, that he "has advocated for 20 years the use" of machines for

where volumes of not water rise in the soliton a mine, take to a greater depth, and not in a squeezed up, unproductive state. Captain Ennor may see in this neighbourhood, that where vast dykes of molten

to a greater depth, and not in a squeezed up, unproductive state. Captain Ennor may see in this neighbourhood, that where vast dykes of molten trap have intersected the coal seams, these have been charred by the heat.

One object of the Miners' Association of Cornwall and Devon is to promote the discussion of mining topics. I regret that it had not the benefit of Captain Ennors' s'esevere criticism' on some remarks of mine at one of its meetings. If experienced men will not instruct us, they must not complain if others open their lips. Captain Ennor is thankful that mining was so slightly touched on, as so little was said to the purpose. In answer to his enquiry, the electro-magnetic battery (as employed with advantage at Woolwich), is portable, very simple, and not likely to get out of order; its use has greatly expedited the sinking of some colliery engine-shafts: it is carried as easily as a borer from one part of a mine to another, or by wires can command several distinct "bargains." Many miners have witnessed its effects in blasting at the Falmouth Docks. As to the cleft, short, wooden rod, resting on a wedge above the powder, its use lossens the danger of accidents to the men; and the tamping is rendered both easier and more perfect. This is not a question of theory, but of successful practice. I do not understand Captain Ennor's allusion to "Blanding or even Brigham Cave." Possibly his words are misprinted; but I am much mistaken if miners, at "account dinners," do not often discuss the phenomena of rocks and lodes remoter from Cornwall than any to which I may have wandered. I am sure that Captain Ennor will be welcome at any of these with his full budget of observations on the Continent. C. Fox.

Middleton Lodge, near Richmond, Yorkshire, Feb. 13.

ON THE ADVANCE OF SCIENCE IN CORNISH MINING.

Sir,—The Cornish motto is "" One and All," but the Cornishmen of the present day do not seem to display that unanimity of action in public enterprise which was so peculiarly the characteristic of their ancestors, and which won for them the above noble motto. This impression is now forced upon us especially, when Cornwall lags so far behind other parts of England in the encouragement of scientific mining. In stating this, it must not for a moment be thought that we wish to ignore the just claims of practical knowledge, or in any way to diminish aught from the position Cornishmen occupy in the mining world, for we too well know that whereever mining undertakings are entered upon there Cornish miners are in demand. But because we, as Cornishmen, may safely boast that we are the most efficient practical miners in the world, ought we therefore to be unwilling to acquire knowledge of Nature and her laws, or rather wish to continue in the prejudiced grooves of ignorance trodden by our forefathers? This is an age of progress, but we begin to doubt whether the time has yet come for the advancement of the West, when we read the account given in last week's Mining Journal of the meeting of the Miners' Association of Cornwall and Devon, held at Redruth. This association has now been in existence nearly four years, and has been hitherto unable to pay its way for want of support from the mining community of the West. Many ask—What good can such an institution do to the practical miner? a question which we can only answer by asking another—What constitutes a thorough miner? Is it not a practical acquaintance with mining operations at surface and underground, practically obtained, combined with some experience of mineralogy and metallurgy? Now, in Cornwall there are many men who can efficiently lay out a mine and work it, and men who would never fail to detect the presence of copper or tin, as they are accustomed to see them in the Cornish ores, but ask such men to tell you ON THE ADVANCE OF SCIENCE IN CORNISH MINING. who would never fail to detect the presence of copper or tin, as they are accustomed to see them in the Cornish ores, but ask such men to tell you the percentage or exact value of their ores, and they cannot; or show them tin ores, such as we have seen from China and North and South America, some of which exactly resemble a micaecous schist rock, and others nearly as white as marble, and they would fail to detect the presence of a particle of tin. But arm such men with a blow-pipe, and give them some laboratory experience, with a smattering of mineralogy, and they will with ease detect the smallest quantity of metal. This case of the tin ores is not a supposititious one, but one that has come under our own personal knowledge, and will serve to show how incalculable wealth may be passed over by the ignorant. The day, however, has passed by when scientific research was deemed useless, and now every day civilised man has to acknowledge the debt he owes to the students of science Taking it, then, for granted that the miner ought to be versed in the elements, and we will not say more, of mineralogy and metallurgy, how is that the Miners' Association of Cornwall and Devon has not been more

ably supported by that class which it was created to benefit?

This is the third attempt made to establish a Mining School in Cornwall during the last few years, and this seems, like its two predecessors, to be unpopular, although countenanced at its commencement by the lead-ing miners of the West of England; and it can only be a matter of wonder that men like Mr. Charles Fox are to be found, who continue to persevere in their thankless attempts to impart instruction to their fellow-countrymen, and to lighten their labour by the introduction of mechanical appliances in mining operations. Some would have us forget that to Mr. Fox we owe in a great measure the introduction of the man-engine into Cornwall, and

that he has devoted much time, labour, and money to the general welfare of the Cornish miners. Allowing that he is somewhat premature in asking us to adopt the complicated machine used in the tunnel of Mont Cenis for boring, yet no one can doubt but that eventually some modification of ing us to adopt the complicated machine used in the tunnel of Mont Cenis for boring, yet no one can doubt but that eventually some modification of that machine will be brought into use in Cornwall. Mr. Fox has shown us that the rock bored through in Mont Cenis is not pie-crust, and the engineer's reports prove to us that the pace is not slow, as Mr. N. Ennor would have us believe. Most of our best mining engineers of the West have long contemplated a boring-machine, to supersede the usual hand boring, but the intricacy and diminutiveness of our levels in the Cornish mines has hitherto been the great barrier to its introduction. It is, however, only by a complete sifting of the difficulties to be overcome, and by the encouragement of such men as Mr. Fox, that we are likely to get boring-machines in Cornish mines.

the encouragement of such men as Mr. Fox, that we are likely to get boring-machines in Cornish mines.

Philanthropy is not a common attribute of man in this striving, struggling age of competition, and we ought, therefore, to be the more willing to give those who display it credit for the desire they manifest to benefit their fellow-creatures. Little notice has been taken of the noble building lately erected by Mr. Robartes, of Redruth, for the relief of, and to give medical assistance to, the sick and needy miners of that neighbourhood. Such institutions are, indeed, sorely wanted in our large mining populations, and we would that the wealthy landowners of the West, who receive large incomes from mineral property, felt more accurately the responsibility of their position, and devoted their charity to the foundation of such hospitals rather than to the memorialising men of their own class, who know not the stern realities of a life of poverty, or the sufferings of their fellow-men. Mr. Robartes has also, during the last few months, renewed a lease of a valuable dividend mine in the Camborne district, with almost nominal dues, and, moreover, promised a sum of money if the adventurers will erect a man-engine on the mine. This is a noble example for the other rich landowners of that district to follow. At present there are only eight manengines in all the mines of Cornwall. The names of these fortunate mines are—Levant, Wheal Reeth, Dolcoath, Carn Brea, Cook's Kitchen, United Mines, Par Consols, and Fowey Consols. When we consider the labour and time lost in climbing ladders, we wonder that mechanical contrivances are not more commonly employed for lifting the men. Looking, for a moment, at the saving of time, we find that to descend to the depth of 250 fathoms by ladders a man will occupy about 40 minutes, and that to ascend for the same distance he will take one hour. Now, in the single rod man-engine he can go up and down this distance in 50 minutes, thereby saving one-tenth in time of the miners' working day. ne encouragement of such men as Mr. Fox, that we are likely to get bor-ng-machines in Cornish mines. Philanthropy is not a common attribute of man in this striving, straga rule, cling pertinaciously to old processes and modes of working, and are icalous of every change, questioning the utility of science and modern discovery, and hugging the notion that science and practice are diametrically opposed to one another. There is no greater fallacy than this, and we may rather say that science and practice are co-ordinate, both combining, when rightly directed, "to enlarge the boundary of human empire to the effecting of all things possible."—Feb. 15.

THE NEW GEOLOGICAL SPECULATIONS.

THE NEW GEOLOGICAL SPECULATIONS.

SIR,—I shall be happy to see in your columns a discussion upon Mr. Dickinson's paper, as has been proposed; but to produce any useful result it will require to be conducted in different temper to that which "Carbonacous" has inaugurated. In his onslaught he has prejudged the case before hearing it; and in his zeal for upholding his own geological views, he has introduced insinuations, based solely upon his own unrighteous decision in this case, bearing upon the practical duties which, from the long test to which they have been satisfactorily subjected, might well have been left out. Seriously speaking, if "Carbonaceous" has any claim to the supercilious position which he has assumed, he will, upon reflection, recoil from the expression of groundless fears which may injure anyone, especially from venting them under the cover of an anonymous signature; and it will become unnecessary in future to be reminded of what is due between man and man by me.—Feb. 17.

FAIR PLAY.

VENTILATION OF COAL MINES.

Sir.,—I have already described the principal features of ventilation as generally practised in this district; I propose now to give illustrations of two distinct systems of ventilation—one by machinery, and the other by furnaces, in order to show the capabilities of each system. So much has two distinct systems of ventilation—one by machinery, and the other by furnaces, in order to show the capabilities of each system. So much has of late years been written on the ventilation of mines, that the subject may be said to be almost exhausted, but I hope we shall continue to make further improvements, and be willing to adopt any suggestion, with the view of testing its practical utility. On the occurrence of an accident in coal mines, accompanied with great loss of life, suggestions flow from all parts with the object of preventing these calamities. Perhaps in no department of industrial pursuits has advice been so freely given, there being a conviction in men's minds that something was wrong in the principle of conducting them. I am not aware that these suggestions have resulted in any plan of practical usefulness, or having any claim to utility, if we except the steam-jet system of ventilation; but this pressure from without has operated in causing a larger circulation of air in collieries, and much greater carefulness, in most cases, in their underground management. The subject being one of paramount importance, any plan tending to alleviate the risks in connection with working coal, will, I hope, be accepted in a proper spirit. In adopting an air-machine, a pit is required to be appropriated to and in connection with the air-pumps; the machines most in use are those patented by Mr. Struvé, one of which was at work at the time of the explosion at Risca, in Dec., 1860. This machine had two double-acting air-cylinders, 18 feet diameter, 6 feet stroke, performing at the rate of eight strokes per minute, this gives 48,858 cabic feet of air per minute, as drawn from the mine: the machinery being of a complex character, it was stated, this was about the limit to its regular performance; but with a machine less complex, similar to that described in the Mining Journal of Jan. 19, 1861, where the piston works in the cylinder without touching the sides less complex, similar to that described in the Mining Journal of Jan. 19, 1861, where the piston works in the cylinder without touching the sides, non-connection between the top and bottom of piston being preserved by thin flexible diaphragms, this machine may go ordinarily fifteen strokes per minute, drawing 91,608 cubic feet of air. The large air-machine at Mountain Ash Colliery, in South Wales, has, as I understand, a piston not touching the sides of the cylinder, the space being so small that air is not lost from one side to the other to a great extent. Referring again to the Risca machine, it was stated that the pressure was 4 inches of water column at or near the air-cylinders; from the quantity given, 48,858 cubic feet, 1-99th must be deducted for the air being in a state of tension, leaving 48,365 cubic feet, the quantity obtained per minute of the ordinary density. This serves to illustrate an important principle of ventilation; the great pressure, 4 inches, being caused by resistances in the mine, which should be avoided by enlargement of the intake and return air-ways; or by splitting the air the same result may be obtained. The intake being required largest from the downcast shaft, where the whole current is going, and decreasing from where the different currents branch off, velocity should not exceed 8 feet per second. In returning, the air-ways are required of larger decreasing from where the different currents branch off, velocity should not exceed 8 feet per second. In returning, the air-ways are required of larger size from where the currents join together, on their way to the upcast pit. When we consider that the force required increases as the square of the velocity, the importance of a low rate of velocity and large air-ways is evident; for as the resistances are lessened, will the flow of air be more easy into the vacuum of the air-cylinders, and the drag in the mine diminished. Ventilation caused by furnace and heated upcast being the rule in the

counties of Northumberland and Durham, I hope to see the machine system tried in competition with it. The furnace should be supplied with fresh air. A colliery in Lancashire is stated to have 130,000 cubic feet of air air. A colliery in Lancashire is stated to have 130,000 cubic feet of air per minute passing in the workings, and has a furnace 40 yards from the upcast, supplied with 18,000 cubic feet of fresh air per minute, passed through the fire. The air from the mine unites with that from the furnace at the end of the furnace-drift; the ventilation is thus placed on a much safer basis than in the ordinary method, where the air from the workings may or may not be intermixed with inflammable matter on passing over the furnace. The power of this kind of ventilation may be reckoned thus:—With two shafts, of 10 feet diameter each=78½ feet area, and 10 feet velocity in downcast per second; depth, 300 yards; downcast temperature, 60°; upcast temperature, 1200.

Volume of air at 60° = 480 | Volume of air at 120° = 540 Weight of air at 60° = 1°224 ounces.

1°224 × 900 feet = 1101° d cas. per foot area.

1101° 480 feet = 979° 2 ozs. per foot area. 540 Difference in weight of columns, 122.4 per foot area. $\frac{122\cdot4}{}$ = 7.65 lbs. pressure per square foot. Then, $\frac{10}{33,000}$ square feet \times 7·65 = 600½ bs. total pressure.

Then, $\frac{600\% \times 600 \text{ velocity}}{33,000}$ = 10 9-10ths horse power.

This is equal to a circulation of 47,100 cubic feet per minute.

This is equal to a circulation of 47,100 cubic feet per minute.

It will be seen from these calculations that the power may be doubled in pits of the same area, by lengthening the heated column to 600 yards, with the same temperature; or by heating the upcast to 180°, the other conditions being preserved, the power may be increased four-fifths more. I have now noticed the prominent advantages of machine ventilation, provided with spare engine-power in contrast to furnace-power: economy of fuel will, probably, be in favour of furnaces in very deep shafts, but in favour of machiners; in shallower ones.

The loss of life from accidents in coal mines in Great Britain in the year 1862 is reported to be 1133, the loss of life in 1861 being 943. The average loss of life for the six previous years is shown as follows:—

From explosions 239 per year | Shaft accidents 192 per year Falls of coal and stone 387 ,, | Miscellaneous 191 ,, x

Total 1009 per year

PUDDLED STEEL-MANGANESE PIG-IRON.

Sir.,—The following translation of a letter received from a correspondent, on the subject of Manganese Pig-Iron (Spiegeleisen) for the Besser process for Puddled Steel, will be of interest to many of your readers. We know, at least, that several of our friends are at this moment puzzling We know, at least, that several of our friends are at this moment themselves over experiments having for their object the improve their make by the admixture of spiegel or spathose pig-iron. The term A and B refer to qualities we are importing into this country.

Laurence Pountney-hill, Feb. 17.

WM. Bird And Co.

A and B refer to qualities we are importing into this country.

Laurence Pountney-hill, Feb. 17.

WM. BIRD AND Co.

"Our best puddled steel is the product of Sieger steel pigs made from pure spathose ore. These pigs exhibit great affinity between carbon and iron, so that in the puddling process a portion of carbon is retained in the process of the product of the process of the process of the product of the product of the product of the process of the product of the presence of carbon. The quality of these steely irons is much influenced by the presence of manganese; for, although pigs which do not contain it may be puddled into a metal having a percentage of carbon, yet the steel produced by the use of such pigs does not contain the carbon in the further processes. Amongst all steely irons spiegeleisen, is that containing the largest percentage of carbon and manganese, and it cannot, for this reason, be puddled per se. It retains the carbon with such tenacity, that the puddling process takes up too much time, and, therefore, is too costly; whilst the manganese, by destroying the slag with which the walls and hearth of the furnace are fettled, allows the puddled metal to run through the lining of the wall and hearth like water. To obviate this, pigs protein the spiegel in containing a lesser percentage of carbon and manganese, are used as an admixture; but even then the linings of the furnace are so much the spiegel in containing a lesser percentage of carbon and manganese, are used as an admixture; but even then the linings of the furnace are so much the spiegel in containing a lesser percentage of carbon and manganese, are used as an admixture; but even then the linings of the furnace are so much the spiegel in containing a lesser percentage of carbon and manganese, are used as an admixture; but even then the linings of the furnace in order to prevent the edges being burnt. The furnace may be charged by this process five or six times within the twelve hours, each charged by this process five or six times withi

GOVERNMENT INSPECTION OF METALLIFEROUS MINES. GOVERNMENT INSPECTION OF METALLIFEROUS MINES.

SIR,—The attention of the public has been again directed to the danget of unfenced abandoned shafts through the accident at old Wheal Unity Wood. It has been stated that there are scores of open unused shafts in Redruth and the adjoining parishes, many of them close to roads and dwelling-houses, the neglect to fence which has caused many deaths, whilst in Gwennap parish there is a shaft where several have lost their lives. The shaft at old Wheal Unity Wood is 360 feet deep, and, according to the West Briton, not 3 feet from a public road, 10 or 12 feet wide, over which scores of persons pass daily, and many horses and carts. It seems extraordinary that some fearful accident had not occurred at this dangerous shaft before the unfortunate woman fell into it. This, however, is only one of many instances of a similar kind, and the question occurs how is it that the waywardens have so long neglected their duty as not to have givenotice from time to time to the responsible parties of the existence of these frightful shafts in their respective parishes, with a demand for their profrightful shafts in their respective parishes, with a demand for their protection? It is further very truly stated that legislative action, and the visitations of .Government Inspectors, are undesirable, if the object can be accomplished without them; and there are practical men connected with the mines of Cornwall and Devon who conceive that the application of some of the provisions of the above-named Act to metalliferous mining would be very discouraging and damaging to a pursuit which is so very fluctuating and uncertain in its results. If the lords of mine setts will see that stringent covenants for the fencing of unused and dangerous shafts are inserted in their leases, and will insist that they are carried out; and if the new highway boards will also look after all unprotected shafts that come within their jurisdiction; then further legislative action may, perhaps, be deemed unnecessary, and Cornish mining continue to be prosecuted without the overseership and interference of Government Inspectors. I could readily understand this line of argument if unfenced shafts were a new evil; but the truth is that all ordinary means to induce mine lords to attend to the abandoned shafts on their estates have proved fruitless, frightful shafts in their respective parishes, with a demand for their pro-

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and that nothing short of stringent legislative measures is like to have any beneficial effect. It has been remarked in the Journal that there is quite as much necessity for Government inspection in metalliferous as in coal mines, and this seems daily to becoming more apparent. Not only are many valuable lives most needlessly sacrificed in the metalliferous mines of the country, but the general working arrangements are acknowledged to be capable of great improvement, and there is little doubt that if something like the German system, of requiring all men to pass an examination before entrusting them with the management of a mine, were introduced, the profits of mining would be considerably increased.

J. P.

BRITISH AND FOREIGN MINE ADVENTURES.

duced, the profits of mining would be considerably increased. J. P.

BRITISH AND FOREIGN MINE ADVENTURES.

Sir.—The Mining Journal of January 16, containing a letter from Mr. Trevethick, in reply to mine of Dec. 31, was duly received by me in Germany, but I could not answer it sooner, as I only returned the other day to London, and my time on the Continent was taken up by other business. Mr. Trevethick is again guilty of exaggeration, in stating that only one out of 101 English companies in Germany has returned a profit, for after much trouble he has only succeeded in enumerating altogether 17 English companies in Germany, eight of which are still progressive mines, and may yet prove successful, while the Ruhrort Coal Company, situated in the neighbourhood of the valuable Concordia Colliery, has only suspended operations temporarily, on account of insufficient capital. Several others, as the Wildberg, Rhenish Consols, and Great Central Slate and Slab Company of Germany, are now worked again, and the director of another has absconded with a large portion of the money contributed by the shareholders, circumstances which must not be ascribed to the poverty of the mines, but to bad management and other causes. The Hibernia Colliery, mentioned by me, is, perhaps, as Mr. Trevethick remarks, not exactly a joint-stock company; but it surely makes no difference if there are 10, 15; or even 100 and more shareholders, as the success of a mine does not depend upon the number of the shareholders, but the riches of the mine, sufficient working capital, and judicious management. The Hibernia coals, as well as those of the Ruhrort collieries (they are never called Dusseldorfer coals), are not losing but, on the contrary, gaining more ground every day, as also noticed in your Journal of Feb. 6, under the head of "Foreign Mining and Metallurgy;" nor am I aware that the profits of Hibernia are materially decreasing, although Mr. Trevethick may be better informed on the subject, in which case I should like him to prove his stateme

a second, and the following to a third, for this inconvenience has been done away with about 10 years ago, and now only takes place in exceptional cases, in old concessions. Nothing, however, is easier for a company than to ascertain if there are any other mining operations carried on below their property. Zollern, Grosse Hoffnung, and Neugeboren Kindlein, Mr. Trevethick's statements and calculations are equally carcless as in his letter of Oct. 27, and I should not take the trouble of contradicting them, as he appears to delight in depreciating the value of these undertakings especially, unless I felt it to be my duty to prove to the capitalists that I only bring carcfully selected mines before them. Mr. Trevethick, if he really has the interest of the English capitalists so much at heart, and does not think it advantageous for them to embark in any foreign mine undertakings, could have attacked other undertakings brought into the market since Sept. 12, 1863, with more prospect of success; nor should he be satisfied with having a few questions answered, which nobody having read the prospectus ever would have asked; but as he wants the information I shall not withhold it, and plainly answer them. The Zollern Colliery Company, containing 13 adjoining coal concessions, covers about 3200 English acres, and the right to mine extends to all coal seams vertically beneath the surface thereof. The Grosse Hoffnung and Neugeboren Kindlein, which form one sett, are not yet offered to the general public, and the particulars have, therefore, little interest; but I may as well state here that the concession now called Grosse Hoffnung includes the old Grosse Hoffnung, Neugeboren Kindlein, and at least eight other mines, covers 1751 English acres, and the right to mine extends to all mines and minerals which sares, and the right to mine extends to all mines and minerals which sares, and the right to mine extends to all mines and minerals which sares, and the right to mine extending the opinion of the contractions of the proper

The machinery and buildings are all in excellent condition, and the works can be taken up again as soon as the necessary money has been subscribed.

With regard to Grosse Hoffnung and Neugeboren Kindlern, Mr. Trevethick is correct in calling them abandoned mines, as they, as well as the other small mines now forming the Grosse Hoffnung Fundgrube, have been worked on several lodes during the last century in the shallow levels,

but the exceptional case of Great Wheal Vor cannot be applied to them, as they all of them have shown an abundance of rich silver ore, and only been abandoned as there was not sufficient water to use for motive power, and steam power could not be employed on account of the scarcity of coal; now, however, things have changed, and Freiberg being connected since 1862 by rail with all the coal basins in the neighbourhood, any quantity can be secured at a very low price.

Finally, Mr. Trevethick advocates a theory, about which I shall say nothing, as I am sure that the judgment of all parties versed in mining affairs will be on my side when I condemn it as a quite erroneous one; for I never heard that it is an advantage for a mine to be situated in a district in which there are no good mines in the neighbourhood. It must also be taken into consideration that in former times the Saxon Government only granted very small concessions, and that, therefore, no operations of any magnitude could be carried on. In Saxony, the Government only granted mining concessions in former times 7 fathoms long (see Agricola, lib. iv., p. 9), and insisted upon every sett being worked by a separate shaft. I believe I have herewith given a sufficient answer to Mr. Trevethick's letter, and do not see why English capitalists should not embark their capital in Germany as well as in more distant countries, which cannot hold out such inducements as Germany, where mining companies can obtain a lease in perpetuity, and not only for a short fixed period, as in England.—Feb. 15.

J. A. D. Heidtmann.

P.S.—I have read just now the Mining Journal of the 13th inst., con-

obtain a lease in perpetuity, and not only for a short fixed period, as in England.—Fbb. 15.

P.S.—I have read just now the Mining Journal of the 13th inst., containing a very interesting article, entitled "A German Mine," which corroborates more or less everything I have said of mining in the Freiberg district. I fully agree with the article in question, and take the liberty of adding a few words about the tunnel mentioned therein, which, unfortunately, contrary to the wish of his late Excellency August Wolfgang von Herder, is not to be continued to Meissen, but only to Rothschoenberg, a distance of about 6426 fathoms, or 4934 fathoms less than originally intended, the cost being thereby reduced by 2,100,000 thalers (315,000.); but, notwithstanding, it remains a tremendous work, which will drain off the water 53 fathoms under the Anner Stollen, one of the deepest in the district (it would have been 96 fathoms if continued to Meissen), and when completed will cost rather more than 225,000. Having mentioned the name of his Excellency August Wolfgang von Herder, it may not be uninteresting to some of your readers to learn that he has made careful calculations regarding the value of the mineral wealth hidden in that district, and estimates it to be over 400,000,000 thalers, or 60,000,000., so that capitalists have still a wide field in that part of Germany. To prove the riches acquired by mining operations in former times in Saxony, the author has mentioned a feast given 800 years ago, where tables and chairs were of solid silver; and this is not a single instance, as similar things have occurred repeatedly there. Ritter Theler gave, a.D. 1557, a grand banquet in the Höckendorff Mine, where the tables and seats, cut out of solid silver, weighed 20 tons, and contained silver to the value of 1,000,000 thalers, or 150,000. sterling. This same gentleman had all his horses' shoes made of solid silver, and as they were only fastened with a few nails, the horses constantly lost them; but so proud was Ritter Theler, that

SALES OF METALLIFEROUS ORES BY TICKET-A PUBLIC AUCTION.

AUCTION.

Sir,—In last week's Journal I was not a little startled by the announcement that the question had been raised by the Inland Revenue Commissioners, and that they considered, and were advised, that sales of metalliferous ores by ticketing should be conducted by a "licensed auctioneer." I cannot believe that such can be the serious views of the Commissioners. I fully agree with the whole of your remarks, and that such sales cannot in any way be considered as sales by auction. If such were considered the law, and enforced, the whole of our commercial usages would be entirely changed; and, as far as my views go, every transaction now submitted for tender would have to be brought under the influence of the "licensed auctioneer." Farms and all contracts, Government and otherwise, army clothing, victualling, &c., which are now let by tender, to the highest bidder, or tenderer, are, in my opinion, under the same principle as sales of ores by ticketing, which ticketings are neither more nor less than tenders, without the power of advancing on the price offered in the same.

Fig. 18.

LONG LEASES FOR MINES.

Sir,—In last week's Journal Mr. T. M. Pascoe, in a letter on this subjects, suggests that "if a lease for a mine is only granted for 21 years, the lessees should have the privilege of holding it at least 10 years more by giving 12 months' notice before the expiration of the term." Now, my information has been that a mine or quarry lease for 21 years was renewable as many times as the lessee thought fit to require it, on the same terms as previously; and so long as the conditions therein were complied with, the lessor could not dictate new terms, or refuse the renewal. I should feel much obliged by any well-informed correspondent saying whether my information on this subject is correct.

Chester*, Feb. 17.

THE "SCIENCE OF MINING"-MODEL REPORTS.

THE "SCIENCE OF MINING"—MODEL REPORTS.

Sir,—The men whose lamentable ignorance Mr. John Smart so instructively pictured in the Journal of Jan. 23 have, apparently, treated that gentleman with contempt. Now, considering that Mr. Smart's charges were put forth for the purpose of discussion, and, inasmuch as the subject involved is one of such general importance to the community, I do think his overtures should have been courteously noticed. Mr. Smart has done much to enlighten the world on the phenomena of mineral deposits, and it would be for the public good not to pelt him with epigram and abuse, but to appoint him chief manager of all the mines in the kingdom. Mining would then become a certainty, Mr. Smart's nod being sufficient to direct every speculator to abundant success. Mr. Smart has shown that he is a perfect specimen of what a scientific miner ought to be. His knowledge of the collateral sciences of physics, chemistry, mineralogy, zoology, and botany is all but infinite, and, once installed in the chair of wisdom, he would soon turn the world upside down. A great philosopher once sald—"if I had a fulerum to place a lever on, I would lift the world." Smart man he was, but a vain beaster compared to the king of philosophers, whose great merits it is now my pleasure modestly to mention. The South Wales Institute, you see, had the good sense immediately to notice Mr. Smart's offer to read appers on the "Condition and Nature of Mineral Lodes in the Siliurian Hocks of their Country," and are now probably making arrangements to secure so desirable an object. Had we treated the gentleman with due respect, the metal mines of Cornwall would, no doubt, have come in for a share of his distinguished notice. If we are to have a Minister of Minera, I have no doubt his eminence will be unanimously chosen to fill that high office. The duties of minister and those of supreme working commander might be blended to advantage, and as one master-mind can move the whole machine, why let him do it. The minister would soon ro

ductions of the language, or its literature; and, thirdly, as an appendage to the last, in regard to the origin and progress of the language, or its history. Having this qualification, they would find no difficulty in acquiring a profound knowledge of the language of recks and mineral locks.

Every candidate will be expected to be well up in chemical nonenciature, changes. Every candidate will be expected to be well up in chemical relations, crystallisation and crystalography, an adept at inorganic chemistry, and master of the blow-pipo. He must be able to exhibit, on a kin of geological table, the classification adopted by modern geologists in describing the various rock formations which constitute that part of he crust of the earth, beginning with the Cambrian and ending with the carboniferous system. The exhibition will have to be made in the following manner:—A stand, to be constructed after the fashion of a domb-watter, having a table for every given system, upon which to place specimens of the different strata of the metal or metals found associated therewith, as well as of their fossil contents, all of which are to be labelled and arranged in exact scientific order.

Table No. 1.—Carboniferous system, embracing the coal measures, the mountain limestone, and the carboniferous alates.

Table No. 2.—Devonian, or Old Red Sandstone, embracing the yellow sandstone, red conglomerate, and grey flagstone groups.

Table No. 3.—Silvian system, embracing the upper and lower silvian groups on the Ludiow, Wenlock, and Liandelo series.

Table No. 4.—Metamorphic, or Non-Fossiliferous system, embracing the clay-slate, mice schist, and genes groups.

Table No. 4.—Metamorphic, or Non-ressilierous system, emorating the elay-state, mice achief, and geies groups.

In collecting the specimens special care must be taken to show by marks not only their order of super-position, but how a piece of gnelest aken from the side of a lode containing a massive and rich deposit of ore may be distinguished from a piece taken from where the lode may be less productive, and that from a piece where the lode shall be barren, and so on throughout every strata in the systems referred to. There are many reasons why this particular mode of enquiry should be adopted; but the chief reason is that the chief reason is that the chief reason is the chief reason is the chief reason in the chief reason in the chief reason is the chief reason in the chief reason is the chief reason in the chief reason in the chief reason is the chief reason in the chief reason in the chief reason is the chief reason in the chief reason in the chief reason is the chief reason in the chief reason in the chief reason is the chief reason in the chief reason in the chief reason is the chief reason in the chief reason in the chief reason in the chief reason is the chief reason in the chief

and syntheses, so to speak—a mode of operation which could not fall to instruct men's minds in what has not inaptly been styled the science of mining.

Thos. Bundan.

Wheal Caroline, Cornwall, Feb. 16.

WHEAL GRENVILLE.

WHEAL GRENVILLE.

SIR,—Having good reason for believing that the prospects of Grenville are even better than described in the City Article of the Journal, I was rather surprised at the price of shares remaining about the same, until I learnt from enquiry in the City a few circumstances that explained all; and as I understand the practice that affects Grenville is pursued in all mines, and is one which involves a great legal question, I ask permission to refer to it. It is this: months ago a large number of shares were bought by parties in the market at 6 to 6½, and when the "account-day" arrived, not being ablot to pay for them, they borrowed money upon them,—pawned them, in truth. And though it is bad enough to have shares always hanging over the market, and preventing it is rising, it is made much worse by the practice said to be existing—viz., that those who take the shares as security for money advanced lead them out again for another consideration: so that as fast as the demand arises the "bears" sell shares, knowing they can borrow them to deliver, and then their interest is to keep down the price by every means in their power.

Here arises the legal question,—if I borrow 51, per share upon 100 Grenvilles, or any other stock, does not the lender, when he transfers the security into his name, become a trustee of the property, and has he any right to transfer it to others for a penulary consideration? By which means the whole property of the company is injured, as well as mine individually. The practice here complained of was carried on extensively also in the lender, when he transfers the security into his name, become a trustee of the property, and has he any right to transfer it to others for a penulary consideration? By which means the whole property of the company is injured, as well as mine individually. The practice here complained of was carried on extensively also in the interest in the security of the company is injured, as well as mine individually. The practice here complained of was carried on

EAST WHEAL GRENVILLE, AND NORTH DOWNS.

rage percentage of the limitar is 2 per ent.; and as 32 heads can kneck out 40 tons of sairy for any ant would be so loun of the per mount; and 48 heads would do considerably more at very little extra cost.—7:5. 12.

**Ent move letter ranched is too lain—10:5. 12.

**EAST WHEAL GRENVILLE, AND NORTH DOWNS.

**SIR.—The imbeelic attempts made in the Journal to injure the "Cautious Man" are truly laughable, and particularly so the one of last week, it, however, only proves how hard up these men are for some excuse to lug my name in. What could this man (who signs his letter "One who has learnt wisdom by his own folly") be thinking of when he penned his effusion? Did he think at all? I fear not. It surely could not be a rocker who wrote it; and yet it is difficult to believe that any speciator would attempt from heligy evictimized. If he be the latter, I fergive him, he knows not what he does, But whether booker or specialist, what a question to put! East Graville, he says, has sold ore to the amount of 30% worth, and he wants to know how much the raising relevant to the surely provided the surely provided the surely provided to the sur

"BROKERS' ADVICE"-THE GRYLLS DISTRICT.

"BROKERS' ADVICE"—THE GRYLLS DISTRICT.

Sir.—In last week's Journal there appears a letter signed "Fair Play." If it had been signed "Four Play." It would, in my opinion, have been more consistant. Allusion is there made to a remark made by a broker, relative to Wheal Grylls being an excellent investment, and likely to pay dividends for many years to come. Fresuming that I am the party alluded to, I now reiterate the same statement, and if the writer of that letter, with all his pretended knowledge of the Grylls district, is prepared to back his topinion to the contrary, I will give him an opportunity of doing so, by pur-nasing the dividends on fifty shares in each of the following mines for five years to come, at a fair rate of interest on the present price of the respective shares. I will select Wheal Grylls, East Wheal Grylls, Great Wheal Grylls, and Grylls Wheal Florence, and will give a guarantee for the fullment of my part of the contract. Anonymdus strakes, either on mining property or an individual, are at all times despicable, and utterly unworthy of notice; and, so far as I am personally concerned, I should not have deigued to notice the abulition of envious feeling of the cowardly writer of the letter in question. If Mill-pool and Treelyan have been so mismanaged as not to have given profits to the shree holders, I do not consider that any reason why the Grylls Mines, under the most unimpeachable management, should be placed in the same category. For the information of those who are interested in this important district, I would observe that Wheal Grylls bottom level is 80 fms. deep, and the lode continues to be profitably productive, and still opening up profitable tin ground, while above the 80 fm. level tiers are many thousands of fathoms of tin ground already laid open, sufficient to give good profits for

many years to come. I say this on the authority of agents in whom the whole of the Grylls shareholders place the most implicit confidence, and they have have proved themselves well deserving of it. If the brokers alluded to were advocating some spurious schemes, instead of the most legitimate mining properties ever introduced to the public, they would deserve to be reprehended by the pen of any writer, much less that of a painter. Disappointments, however, are wont to stir up envious feelings, and to these feelings I attribute the cause of the insertion of the letter in question. In conclusion, I would advise the writer of that letter (who is so profuse in his advice to others) to be more careful himself in the effection of mining properties than he has hitherto been. His friends may then be enabled, like the shareholders in the Grylls Mines, to congratulate each other, and be convinced that mining is profitable, instead of being disappointed (through want of judgment) in almost everything he has been connected with.

EDWARD COOKE.

THE HAVAN MINES.

THE HAVAN MINES.

Sin,—Nothing was further from my mind than to cast the slightest reflection on the management of Capt. Charles Williams, with reference to Havan. Possibly, I was not sufficiently explicit in my report. What I meant to say was that, owing to the inclemency of the climate, and want of secommodation for new inhabitants, the prices of work were necessarily high. My omission was that I did not convey the meaning that these prices would be reduced in the course of time—in other words, that economy would be effected when the arrangement for the labourers had been rendered more convenient and less costly to them. I am sorry that my words were capable of bearing a different interpretation; and I feel quite satisfied that Capt. Chas. Williams is entitled to praise for discovering the ore, and the skill with which he has laid out the works in this and the other mines I have examined under his management.—Fcb. 16.

MATTHEW FRANCIS.

TRUTH'S ECHOES, OR SAYINGS AND DOINGS IN MINING.

attlined that Capt. Chas. Williams is entitled to praise for discovering the ore, and the sill with which he has laid out the works in this and the other mise! have examined under his management.—Feb. 16.

MATTHEW FRANCES.

TRUTH'S ECHOES, OR SAYINGS AND DOINGS IN MINING.

The Mining Share Market has been rather animated this week, not only from the fair amount of business done, but from the enquiries for leading divident enimes, and the fluctuations which have taken place in others. Some of the property as the property of the p

From Mr. James Crofts:-There, perhaps, never has been a period when the public are reaping more solid advantages from the purchase of mining shares than the present, the improvements in a number of mines, and the rise in prices, being unprecedented, whilst the position in which the market is placed by such untoward events as a very high rate for money, and the disturbed condition of half of the globe events as a very high rate for money, and the disturbed condition of half of the globe by restless ambition, and the struggies created out of it, appears to go almost for nothing. Thus it may be asked, what would be the condition of the stock and share markets, and of mining in particular, as the most speculative item, were all the world at peace, and money cheap? Notable instances of the success of certain mines may be given in Wzzr and Wheal Chiverrow, which from 10.1 and 71. to 81.s a share respectively, when originally introduced on the market, have advanced to 651. and 131. per share, and as it is said, and believed by many, have not yet renched the maximum price. The former of these mines, Wzzr Chiverrow, will be found in the Dividend List, with no when originally introduced by many, have not yet reached the maximum price. The former of these mines, West Chivertos, will be found in the Dividend List, with no thing paid, and two dividends declared of Ibs. each up to last month, and since the return of capital as a percentage is thus far small, there must, of course, exist good reasons for concluding that increased returns of ore, and a great increase of dividends are assured. The latter mine, Chiverton, stands under the head of "dividends in abeyance," with \(\delta_i\). As a part of the paid in the part of the part of

very valuable. North Treskersk is paying in dividends 7s. 6d. per share per annum, which, at the price of the share, gives 15 per cent. They may be safely bought, it being a well-managed concern, and dividends may increase in the course of this year. Prosper Using a real considerable demand at 7 to 7/4; whilst, twelve months since, they could scarcely be sold. Bedford Divites still pay fair dividends, and at present prices are a most eligible share. Ore: Tens an advancing mine, although the shares at present are free from excitement, probably owing to holders having paid a much higher price, and preferring to hold rather than sacrifice 30 or 40 per cent. of capital. The following is a list of merit, and deserves attention, as shares to buy:—Greeville, Trecowers, Clefforde, East Lovelle, South Frances, Cambonne Varan, Kitty (Leian). Therefore, East Lovelle, South Frances, Cambonne Varan, Kitty (Leian). Therefore, East Lovelle, South Frances, Cambonne Varan, Kitty (Leian). The real merits of North Downs have lately been under discussion, the balance of opinion being against the present market value being maintained. Similar opinions apply to Prances; those, however, with whom the mine is a favourite, predicting dividends in a few months.

In concerns in which the writer is more directly interested the Central Minera stands prominent. It is now stated that in a fortnight or month hence the horizontal engine purchased, and to be placed at Edgeworth's shalt, will be at work, when early results are anticipated as to the cutting into the Twelve Apostles lode; and whenover this shall be un fait accompil, a very considerable advance must take place in the shares, which at present are fait, and, therefore, should be bough tat 2½ to 2½. Few, however, offering, the bulk having cost from 7t, to 8t, per share, and none of these holders disposed to sell at present. Barnsroad Hall Improve daily, and the few shares in the market cheap, when it is remembered that they were once 50t, and may according to present appearances, agai

larly with many other new mines, have reason to be congratulated, especially as the few for sale must shortly command a much higher price.

From Mr. Henry Gotld Sharp:—The market for shares in British mines is very firm, and a considerable advance has taken place in the prices of West Chiverton, Chiverton, Chiverton Moor, Wheal Grenville, Wheal Crebor, Wheal Seton, &c.,—CLIPTOHD AMALOMATED have declared a dividend of 10s. per share, and are likely to give 15s. in April; shares have remained very steady, 38 to 38½. Mancilles close firm from 36 to 38½, with an upward tendency. Wheal Grenville advanced in price; the mine never looked so well, and shares will go much higher—they close 5½ to 5½. West Chiverrow, in demand, and very firm at 57½ to 59½. Chiverrow, a large business doing, 13 to 13½, with an upward tendency. Universom Moor shares have been bought up for investment; they are very sacre, being firmly held; they close 5½ to 6½. East Chiverrow, 5 to 5½, and quite neglected; these shares are the cheapest in the district; there are only 2000, and an improvement would put them to 104, in a few days. Great Wiele Busy shares are worth attention—4½ to 4½; the mine is working at a good monthly profit. Prosper Univer, 7 to 7½; these shares have lately advanced from a few shillings. Wiell Trelawny, 23 to 24, and a good investment; the quarterly dividend was 15a, per share, and a balance of 1004, was carried to the next meeting. Providence, 45 to 45, in demand. East Providence, quiet at 42s. 64. to 44s. call paid. Wheal Basser, 9 to 95, in demand. East Providence, 35 to 43; the mine is not one of the same are very cheap. Theoroft, 20½ to 204, and the mance of 1004, worth buying; the mine is looking well. Wheal Crestone shares are very cheap. Theoroft, 20½ to 204, and the mance time firm:—Wheal Basser, 9 to 25; in the Grylls district are quiet, but prices remain firm:—Wheal, 35 to 34s., and worth buying. Kelly Blay, 8s. to 10s., are worth buying for a speculation. Lable, Basser, 9 to 25 and Grylls, 90 to 95. the mine i

well. The mines in the Grylis district are quiet, but prices remain firm:—Wheal Wheal Flonence, 3½ to 3¾; and Gralls, 13½ to 14; Great Gralls, 4¾ to 5; and Gralls Wheal Flonence, 3½ to 3¾. Worthing, 17s. 64. to 18s. 6d. There will be a further rise in the Chiverion district.

From Mr. Edward Cooke:—The market has been more active than for many weeks past, and a large amount of business has been done in several of the leading mines. An advance in price has occurred in some instances, and among the mines that have been favourably affected are West Chiverton, Davon Great Consols, Wheal Chiverton, Nanglies, and Wheal Stoin. Numerous transactions have also taken place in the Grylis Mine and Chiverton Moor. North Chiverton, Aithough not at present thought so much of as its merits deserve, is opening up a good mine, and when the shares are a few pounds higher than they now are, the public will open their eyes to the fact that they have neglected one of the most sterling mines in the Chiverton district, while at the present time the shares are lower than any of the other mines in the same locality. West Chiverton has now attained the enormous price of 195,0001. to 200,0001, with every prospect of the price going still higher. Now, while I do not consider this mine to be selling too high, according to its splendid prospects, I consider that North Chiverton, with all its great chances of success, is selling far below its intrinsic value as a lead mine; and I do not hesitate to say that the shares will my anyone will for buying at the present price. Chiverton Moor shares are now commanding some attention, and most deservedly so, from its proximity to the reliest lead mine in Cornwall—West Chiverton. Nanglies, shares have advanced considerably in price. Those who adopted my remarks a week sine, relative to this mine, and bought an interest in it, can now realise a good profit, but the shares will go much higher ere long. Those who adopted my remarks a week sine, relative to this mine, and bought an interest in it, can now

From Mr. George Batters:—The market for Mining Shares continuos very active. The prospect of cheaper money, and the excellent prices now being obtained for metals, inspire confidence in the future, more especially as the bulk of in vestments recently made in mining shares have been in a class of securities likely to eventuate in great good, such as Devon Consols, South Caradon, Great Wheal Vor. (Illeford, Seton, West Chiverton, Chiverton, &c. The sampling at West Chiverton for the month will be 80 tons of best, and 60 tons of seconds, expected to realise about 28001; the satisfactory part of this large sale is the fact that the greater part is raised from driving levels and sinking winzes, and but little from stopes. The mine is being laid open for a great future, and the bottom of the mine never looked so well as at present; the 80 west, on Williams's lode, is valued at 1001, per fathom; the 80 cast, 201; No. 2 winzes inking under the 70, 701; Valpy's lode, in the 80 west, 401; the 80 cast, 401.; No. 3 winzes, sinking below the 70, 401; other parts quite as good as when last reported on. These shares have risen to 881; 701, and must, on their merits, be considered one of the cheapest shares in Cornwall. Chiverron: Good progress is being made in draining the mine. The water is now nearly out to the 40, and it is expected now to see the bottom of the mine months before it was anticipated, when good returns of lead will be made. These shares are now 13 to 13½, and good to buy. Chiverron Moon is attracting attention. A new 70-in. engine is being erected, which, when at work, will enable the management to speedily open on the West Chiverton lodes. Price of shares, 5½ to 6, with upwards of 8000l, in hand. Chiverron Notales, and will be made of shares, 5½ to 5½. East Carabon shares have risen to 361. The changes in the market are otherwise unimportant. From Mr. George Batters:-The market for Mining Shares con-

Great Darren.—I accompanied a deputation of gentlemen, connected with mining, yesterday over the floorings of the Great Darren Mine. Evidence of the new discovery and its extent appeared in every direction. On the upper flooring, the slides were filled with immense heaps, consisting of large blocks of sliver-lead ore, showing by the size the great width of the ore, and by their richness the value: many of these blocks measured from I cubic foot upwards of rock, and were filled to the extent of one-third with ore. At present this ore is being drawn by horses, but the motive power for large drawing machiner; sendy, and the apparatus will soon be fixed. The spalling or breaking up of this ore for the crushing machinery was reducing it to the proper size for cleansing. We notice that at the second jugging the ore was nearly quite clean: the round buddles working the allows also showed that the produce of the mine was very rich. We visited that at the second jugging the ore was nearly quite clean: the round buddles working the allows also showed that the produce of the mine was very rich. We visited that ore bin, and witnessed the commodity in its cleansed state; it seemed quite clean and bright, and from the quantity of sliver it contained we ascertained it to be worth 204, per ton. With reference to the underground workings, we found that the present price of raising this ore was 45s, per ton, but which, when a level was pushed under it to render it more convenient for stoping, would be reduced to 22s. 6d, per ton, or one-half, an economical result that, of course, will add much to the profits of the mine. We, however, found from enquiry, and from looking into the accounts, that the cost now does not much exceed one-third part of the whole value of the ore. It is only necessary to add that the opening of the ground on this new body of metal is extending as fast as possible, and that the whole work presents a scene of unusual bustle and activity, predicting excellent results to the enterprising proprietors.

NEW MINING DISTRICT.-Messrs. Cain and Furness, of Liverpool, with other gentlemen of that town, have taken the royalties on the Cumberiand side of the Duddon, on liberal terms from the Crown, and have commenced boring, with every appearance of success. It is believed that extensive beds of ore lie between Hodbarrov Mines on the north and the Park Mines on the south.—Whitehaven Herald.

There are 24,926 miles of railroad in the Federal States, the cost of which has been \$1,025,115,742. In the Confederate States there are 8933 miles of railway, the cost of which has been \$240,886,473.

Mining Correspondence.

BRITISH MINES.

BEDOL-AUR.—T. Pierce, Feb. 16: The pulley shaft is now down 9 yards 1 ft. believ the 50, on Simone's vein; the bottom of the shaft will be deep enough to have 2 yards of credity is 2 it., wide, full of each at the shaft will be deep enough to have 2 yards of credity is 2 it., wide, full of each will be deep enough to have 2 yards of credity to intersect the Brynia vein, in which we expect a good paying mine. The 50, mortices at troe shaft, is much more promising than it was when hast reported on. The vein at the forebreast of the level is from 4 to 10 in. wide, full of spar and nice lumps of its at the forebreast of the level is from 4 to 10 in. wide, full of spar and nice lumps of its at the forebreast of the level is from 5 to 10 in. wide, full of spar and nice lumps of its at the forebreast of the level is from 5 to 10 in. wide, and or in the level above.

BILLINS, F. Extans, February 17: The lods in the engine-shaft is small at pressure the shaft, the lod is small and unproductive. The lods in the side of the intervent of the shaft, the lod is small and unproductive. The lods in the side of the stope was of the forebreak of the shaft of the stope was of the forebreak of the shaft, the lod is small and unproductive. The lods in the slope was of the 60, driving west of Hunter's shaft, is 20 in. wide, predocting a little copper ore. The fold in the slope in the back of this level, is worth 30. per far. The lode in the slope was of the 60, driving was of Hunter's shaft, is 20 in. wide, predocting a little copper ore. The fold in the slope in the back of this level, is worth 30. per far. The lode in the slope was of the 60, driving was of Hunter's shaft, is 20 in. wide, predocting a little level, live or the fold in the slope was of the 60, driving was of the fold in the slope was of the 60, driving was of the 60, driving was of the fold in the slope was of the fold in

this iode. We have broken good stones of ore in driving on the south lode during the past week.

CARDIGAN CONSOLS.—James Sanders, Feb. 15: There is no change since my ist report, with the exception of the 10 enst, where an improvement has taken place; the level has been poor for the last 3 or 4 fms., but I am glad to say it is very much improved in the last day or two, and is at present worth 1½ ton, or 201, per fathom is copper ore. This being our acting-day the following bargains were set:—The 201 drive east, by six men, at 81. Ds. per fm.; the 10 to drive east, by six men, at 81. Ds. per fm.; the 10 to drive east, by six men, at 81. Ds. per fm.; the cross-cut to drive north, by two men, at 61. per fm.; to stope above the 10, east of winze, by six men, at 41. per fathom; the stope above the 10, west of winze, set; to drive east from Sanders's shaft, by six men, at 91. per fm. Our sampling to 40 to 40 tons of copper ore.

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drive east, by six men, at \$1.0s. per fm.; the 10 to drive east, by six men, at \$1.per fm.; to stope above the least of winze, by six men, at \$4. per fathom; the stope above the 10, west of winze, by six men, at \$4. per fathom; the stope above the 10, west of winze, as set; to drive east from Sanders's shaft, by six men, at \$4. per fm. to stope above the 10, west of winze, as set; to drive east for Sanders's shaft, by six men, at \$4. per fm. Our sampling to dept is 40 tons of copper ore.

CHIVERTON WHEAL HOPE.—W. Hancock, Feb. 13; I have to-day made a carm survey of this extensive mining sett, which is situated in the parish of Pernarzabia, and about 1½ mile to the north-east of the celebrated West Chiverton Mines—the latin need no comment on their productiveness. It is bounded by and adjoins on the soil data promising mine, Wheal Hope. In looking over the burrows at surface, the was done, and the civan courses running parallel with the lodes, which is a good feature in the production of mineral, and taking into consideration the amount of blende and is which has been returned from so shallow a depth, only 30 fms. below adit, or 57 fm surface, and having three parallel lodes, and a shaft sunk about 30 fms. below the sall in the jmiddle of the sett. I cannot but strongly recommend this plece of mining ground as a good speculation, especially when we see the attention this district is present commanding. For the presecution of the mine I would recommend you erect (any) a 39-inch cylinder engine on the shaft sunk in the sett, so that you me command these three lodes, made mention of, by short cross-cuts. The indications such as I consider to warrant a speedy development, and, if properly carried out, I have no doubt you will open up a good properly. And what still strengthens my opinion of is having also seen a report from the Duchy agent, wherein he states the lode in the 30s level, when abandoned, was worth from 10t, to 15t, per fathom. I understand that from the 30s level, when abandoned, was worth from 10t, to

of the backs, but we find the lode to be standing around this shaft, with very good we for tin. I hope by another week that we shall see to what extent the old men where we are told there is a good back of work standing. I have also took some isof the lod men's attic to a borrowed stamps, and I find it to yield more tin than we ticipated. We have thousands of loads of this sort at surface, which will pay wells stamping as soon as our stamps are erected.

CROWAN CONSOLS.—J. Seymour, Feb. 16: The ground in Ward's shaft is med stopes, stoping from the winze, is producing a good seal of both tin and coper, pay well for working, and leaving good profits. The pitches are much the same as 'ported on. I have placed four men to drive on the 21, to get under the winze as to, to unwater it; this isvel is being driven in the country for 2 or 3 fathoms, to a plece of ground standing by the shaft, the lode being in the shaft at that place. I water is daily increasing in the 10, and we expect to see Curtie's lock here shown on Tuesday we expect to sample above 20 tons of what is called crop ore, and as 20 tons of other ore. We have three important points to come off in about its months—the cutting of the Dumpling lode, in the 30; the C lode, in the 10 and 20; if I fancy agood level west of Ward's shaft, in the 21—we call this a 21 fm. level, it ben'd the stamp of the shaft, the lode is 3 tons of cross-cut, he lode is 4 feet wide, producing work of a tow quality. I same level west no lode has been taken down since last reported on. The lode is 5 stopes in the back of this level is large, and producing saving work for the stamps. I we stope in the back of this level, per min we stope in the back and the botton of the stopes in the back and the botton of the stopes in the back and the botton of the stopes in the back and the botton of the stopes in the back and the botton of the stopes in the back and the botton of the stopes in the adventurers' meeting.

CWMBERANE.—J. Kemp, Peb. 17: The 50, south of shaft, is poor at present be

lode is 3 feet wide, and worth 10t. per fm. We shall give a detailed report set for the adventurers' meeting.

CWMBRANE.—J. Kemp, Feb. 17: The 50, south of shaft, is poor at present, givery promising, and I hope for an improvement again in a day or two. The stope is of the 40, south of shaft, is without alteration, and will be worth, when property open, 10 cwts, per fm. The stope in the 40, north of shaft, is producing 7 cwts. Feb.

The ground in the 40 north is very much disordered at present. The pitch in backets

Fig. 50, 1864.)

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these indicates:
The loss in the loss of pasts, is much the lation shaft is 1 on the mize, t 3 ft. wide the lode de appearance rom the 30t se.—Dolwel on. These de it more se k.—Februari Feb. 11, din leep, four, se Average us or one core.

h than well shaft is man go lode in he copper, paying me as he is winze a less at place. The here showld in about the 10 and 20; so level, it has

I west we sent the solution in the solution in the stamps. In of this level west soort next we present, being stope in being property stope in being property stope in back of stope in ba at 41. 10s. per fathom. Two men are engaged cutting plat, preparatory to sinking below the 20 fm. level, and, when done, we shall at once commence sinking the shaft with all speed, where we have a very promising lode.

NEW WHEAL MARTHA.—G. Rickard, Feb. 18: The lode in the 74 east is com-

NEW WHEAL MARTHA.—G. Blekard, Feb. 18: The lode in the 74 cast is composed of fluor-spar, prism, and mundic, with occasional good stones of copper ore. There is a large stream of water issuing from this end, which shows the lode to be of a portion nature. The ground by the side of the lode, in the same level west, remaining good for driving, we intend to cross-cut the lode south the early part of another month, to ascertain its size and value. The stopes in the bottom of the 52, cast of No. 1 winze, are looking much better, producing full 10 tons of copper ore per fm. The stopes in the back of the back of the same level are yielding 4 tons of copper ore per fm. The stribute department is much as usual, with the exception of Richards's pitch, in the back of the dy which is producing full 6 tons of copper ore per fm.

NEW WHEAL ROSE.—J. Middleton, Feb. 17: We have succeeded in clearing the ndit level to Burrow's shaft, and have set it to be cleared to the add i level (16 fms. deep) for 61,, as per bargain, and are now down about 4 fathoms; in clearing it we find samil prilis of lead. We hope in the course of two weeks more to complete the shaft to the add tlevel, when we shall be able to go fast to the ead. From what we have seen our prospects are very good indeed.

ment is much as usual, with the exception of Richard's pitch, in the back of the 6, which is producing full 6 tons of export or per fan.

NEW WIREAL ROSE.—J. Middleton, Fab. 17. We have succeeded in clearing the New WIREAL ROSE.—J. Middleton, Fab. 17. We have noted the clearing the fab. New York of the complete the shaft to the proposed as well as the producing of the course of two weeks more to complete the shaft to the proposed as well as the producing of the three days of the fab. We hope in the course of two weeks more to complete the shaft to the proposed as well as the producing of the course of two weeks are considered as the course of two wells. It is not the course of two wells are considered as the course of two wells. It is not the course of two wells are considered as the course of two wells. It is not the lock, we see of Grace's abaft, the look as it is not the well as the prime. It is not 12, we set of Grace's abaft, the look as it is velous to the course of Grace's abaft, the look as it is velous to the course of Grace's abaft, the look as it is velous to the course of Grace's abaft, the look as it is velous to the course of Grace's abaft, the look as it is velous to the course of Grace's abaft, the look as it is velous to the course of Grace's abaft, the look as it is velous to the course of Grace's abaft, the look as it is velous to the course of Grace's abaft, the look as it is for 3 ft. in height, it will thus be worth 20, per function of the look and have a made as the course of Grace's abaft, and the look and have a look and a look and have a look and a look and have

preparing the various works required for the house and rods, with communications to and from the shafts for pumping.

NORTH ROSEWARNE.—J.S. Phillips, J. Tyacke, Feb. 15: The deep adit is being driven towards the new engine-shaft, by nine men, at full speed, as as to form a drain-age level on the Jenning's lode and great western cross-course, for surface and engine water. This adit level is being driven by six men, on the No. 3 lode, which rans some So fms. south of the former lode, and is now approaching the influence of the cross-course, and improving in its appearance as it is extended scarer thereto. We consider the exposition of this lode on both sides of the cross-course most important, even at this level; as it has maintained an excellent character and strength for the past 60 fms. for mineral in depth, and it is more than probable that this confuence of magnetic influence may have deposited a chimney of copper cree on either side of this cross-course. The eastern horse-whim commands the two shafts most effectively for drawing the stuff from these drivings.

eastern horse-whim commands the two shaffs most effectively for drawing the stuff from these drivings.

NORTH SHEPHERDS.—T. Richards, Feb. 18: At the engine-shaft sinking below the add we are making very good progress. The clay-slate being sunk through is very congenial for silver-lead ore, and I expect that when we cut the lode in the cross-cut we shall discover mineral. The add end is driving towards the intersection of the lodes, and it is a point of much interest, so far as seeing the lodes at that depth, because the surface water will be drained, which will enable us to sink upon them. All the work is progressing in a favourable manner. There seems to be mines all around tinue to be erected, like is being done at present a surface water.

cause the surface water will be drained, which will enable us to sink upon them. All the work is progressing in a favourable manner. There seems to be mines all around is, and it looks like the beginning of a successful future, if rample pumping-power continue to be erected, like is being done at present.

NORTH WHEAL ROBERT.—J. Richards, Jan. 18: Murchison's Shaft: In the 42 west, east of Herd's rise, on No. 1 south lode, the lode is 18 in. wide, composed of capsis quartz, and mundle. In Bennett's stope, in the back of the 42, west of Herd's rise, on No. 1 south lode, its 15 in. wide, and yelded good stones of ore. In the 30, east of Herd's rise, on No. 1 south lode, it is 15 in. wide, and yelded good stones of ore. In the 30, east of Edward's cross-cut, on No. 2 south lode, the lode is at present disordered by a cross-cut, and is without ore. In Stancombe's cross-cut routh, at the 30 west, the ground entitues favourable for progress. In Ellicit's cross-cut south, at the 52 west, the ground is hard, and progress slow.—Trial Shaft: In the 62 west the lode is small (1 ft. wide), composed of capsis, peach, quartz, and a little tin ore. In the 42, east of Rowe's cross-cut, the lode is also small (9 in. wide); it yields, however, some saving work of tin ore. The 'Jode in the stopes in the back of the 42 is yielding good tin ore.

OATFIELD.—John Vivifian: At Henry Vivian's engine-shaft we have 14 men employed in making the necessary excavations for the 90-in. cylinder-engine and boller-houses, and in doing so we have found some very rich stones of grey carbonate and yellow sulphuret of copper, clearly indicating the great value of the ores in the last working. This shaft will be also collared up forthwith, and as soon as a sufficient quantity of stone can be brought upon the mine we shall commence building.

OKEL TOR.—W. Metherell, February 18: We have no material alteration in any part of the mine since last report, with the exception of the lode in the end of the 60 east, which last week was yielding 4 tons of ore

from the 50 a distance of 9 yards, and have cut into an old shaft, which run in first years ago, and have cleared it to the 64, where we came on their lavel at the bottors of the shaft, and found about ½ too to ore left by them in the level. We have down. We shall slik the shaft, and drive a lavel to intersect the lode going down; it is on the collocelle.—Robert's Shaft: This shaft is sunk to the 46, and the lode nearly 2 feet wide; last night we cut into the white limestone, and expect in a few more yards to find ore in the lode: this is the Petticotal Rake lode, and wherever it has been worked has proved rich.—Engine-shaft: We commence on this shaft to-morrow. The engine should be the control of the

In my calculations,
PENNANCE CONSOLS.—H. Peters, Feb. 17: We are about soon to begin to sink PENNANCE CONSOLS.—H. Peters, Feb. 17: We are about soon to begin to sink our engine-shaft again. Our winze now sinking is 8 fathoms west of our engine-shaft No. 2. I think the lode is much richer for silver than when I wrote my last report. The lode in the winze is 5 ft. wide, worth about 20l. per fm. In the west end of our winze, from what we have had assayed, we have a fine flookan on the hanging-wall, close to the elvan course. We have sunk a winze 29 fms. west of our engine-shaft, No. 2, in the bottom of our adit. We have aunk the winze 2½ fms.; the lode in the winze is 5 ft. wide, 18 in, of the lode is rich for mineral, but we have not had it assayed to know the value of it. We are obliged to stop sinking the winze by means of the water, and when our engine is set to work, and sink the engine-shaft about 10 fms. deeper, the orive a lovel under the winze, we can soon open good tribute ground, and I believe soon make the mine pay. Our east shaft, No. 1, is about 10 fms. deep; we have a whim on this shaft, and when our engine is set to work we can pump the water out of that shaft at the same time. The engine will drain the water out of the two shafts, and I believe when the water is out we can break a quantity of tin work, and that will be a great help to support the mine.

FOLHIGEY MOOR.—S. Bennetts, Feb. 17: In the last 9 ft. driving the 20 cast the lode has been much disordered by the flookan part crossing it from south to north, and although at times producing very good tinstuff, yet is very irregular. We think it is near the point of separation of the cast and west from the caunter lode, hence the present unsettled state. The 10 end being just over this, is alike affected. In the 20 west the lode is about 1 ft. wide, much the same as last reported as to quality, but as will be seen, not so wide.

FROSPERE UNITED.—S. Lean, W. Millett, Feb. 18: Since our last report we have

the lode is about I ii. wide, much the same as last reported as to quality, but as will be seen, not so wide.

PROSPER UNITED.—S. Lean, W. Millett, Feb. 18: Since our last report we have taken down the lode in the 80, west of Louisa's shaft, and it looks more promising, producing 2½ tons of good quality ore per fim. We have been obliged to suspend operations in No. 1 winze, sinking below the 70, in consequence of an increase of water; the lode is more contracted, and countains more capel, but we have no doubt that it will soon open again, and resume its former productiveness. The lode in the 70 east, on the north part, will produce 3 tons of ore per fim. The lode in the 70 west of Hill's shaft, is worth 201, per fim. The lode in the 70, west of Hill's shaft, is worth 201, per fim. The lode in the 60, west of Hand's shaft, is 1 ft. wide, containing saving work for tin.

PWLL ROMAN.—C. Williams, Feb. 17: The lode in the row under the deep adit level, east ef copper winze, continues to yield excellent copper or or rich quality. The tributers have re-taken for this month at 10s, in 11. The lode in the tribute bargain in the back, over the deep adit level, is without any change since my last. The water-course and buildings are in very good repair, and I am on the look out for a second-hand wheel and crusher.

Wheel and crusher.

REDMOR.—T. Taylor, Feb. 17: No change in our tribute ground. Last week we revove the add thevel 9 Ims. 3 ft., by nine men; the ground is at pressnt a little harder. Copper ore weighed off yesterday, 19 tons 10 cwts. 2 qrs. I intend sending samples of the temporary.

more favourable for progress than for some time past. The lode in the 30 is 2 ft. wish a pretty looking lode, composed of soft quarts, producing stones of munitio and fabler. The part of the lode carrying at the whim-shaft is poor at present.

SORTRIDGE CONSOLS.—J. Richards, Feb. 18: In the 60 west, and west of the ventilating shaft, the ground is much disordered by a cross-course, and the drivage is being continued in a northerly direction in search of the lode; the ground is casy for progress. In the 50 cast, and cast of Stanton's cross-cut, on No. 1 tin lode, the lode is \$2\footnote{1}\), fix which good stones of tin ore are being obtained. Row's rise, in the 30 cast, and cast of Stanton's cross-cut, on No. 1 tin lode, its communicated with the 40 catove, the lode proving tinny. In the 50, west of Stanton's cross-cut, on No. 1 tin lode, its communicated with the 40 catove, the lode proving tinny. In the 50, west of Stanton's cross-cut, on No. 1 tin lode, the lode continues amail (8 in. wide), composed of capel, quartz, and a little tin ore. In Glibert's cross-cut, on No. 1 tin lode, the lode continues amail (8 in. wide), composed of capel, quartz, and a little tin ore. In Glibert's cross-cut north, at the 40 cast, good progress is being made.

SOUTH BULLER.—J. Hosking, Feb. 13: In Hodge's shaft, sinking below the 50, we have been desuing the lode since my last, consequently there is no change in it is notice. The country continues much the same. The north lode has not made its appearance in the shaft as yet. In the 40, driving west of Hodge's shaft, the lode in this end continues to be divided by a horse of granite; the south part is 8 in. wide, composed of quartz and colpor ore, but not samileant to value; from its increased wide, composed of quartz and copper ore, but not samileant to value; from its increased angle north, we may expect to meet with the junction of the two locks in a few feet most diving, where we hope to see the lode very much improved.

SOUTH CARADON WHEAL HOOPER.—W. C. Cock, Feb. 13: Th

again resumed.

SOUTH DARREN.—J. Boundy, Feb. 16: The 50 west has been cleared out and commenced driving for the present by four men, at 6l. per fm.; the lode is 9 inches wise, spotted with ore. The ground in the 40 west is a little harder for exploring, and more mineralised, but no change in the lode to notice. In the 30 weat we have passed through the disordered ground, and the lode is again resuming its former appearance, and yielding some good work for lead. The stopes continue to yield about the same as for some time past. The other parts of the mine are without change to notice. Our copper ore weighed off at the mine 20 tons. The drawing chain broke yesterday, and damaged the shaft.

spotted with one. The ground in the 40 west is a little harder for exploring, and many international, but no change in the lode to notice. In the 30 west we have passed through the disordered ground, and the lode is again resuming its former appearance, and yished the past. The other parts of the mine are without change to notice. Our copper on weighted off at the mine 20 tons. The drawing other than the control of the mine are without change to notice. Our copper on weighted off at the mine 20 tons. The drawing other than the control of th

REDMODE.—T. Taylor, Feb. 17: No change in our ribused ground. Last week we have a pitch of the property of the control of the source of the so

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the lode here is 2 ft. wide, producing 2½ ewts. of tin to 100 sacks.

WEST TOLGUS.—Peb. 17: Taylor's sumpmen are getting on slowly in sinking, but after we get in the penthouse we hope to make better progress. We are stripping down the south part of the lode in the 65, east of Taylor's engine-shaft. The lode appears to be split up in branches, going west, and is not looking so well for ore as when last take down. Vincent's stope, in back of the 65, east of Rule's winze, is voter 3 feet wide, producing 2 tons of ore per fathom. Carking's stope, over the back of the 65, seast of Ylinent's stope, is yielding 2 tons of ore per fathom. The lode in the rise over the back of fluids winze, is yielding 2 tons of ore per fathom. The lode in the rise over the back of the 65, west of Wheal Raven shaft, is 15 in. wide, producing good stones of ore. WEST WHEAL MARTHA.—H. Rickard, Feb. 18: We have completed laying tramporad at our 50 fm. level, west from old sump-shaft, and commenced driving the end with all speed. On the silver lode the ground is very easy for driving, and the water increasing. We expect to hole to the level driven cast against us every day. The rise in the back of the 40 fm. level, west from western shaft, against Hall's plich, is progressing favourably, turning out some good work for copper ore. The lode, both east and west, at the 40 fm. level at Kellyhole, is looking exceedingly promising for an improvement, producing copper ore of good quality. We have suspended staking the winze below the 30 fm. level, on account of water. This, I hope, will soon be drained by the end coming in under it. Our tribute pitches, upon the whole, are a little improved in quality, and yielding fair quantities of copper ore, having on the quay and at the since box towards our next sampling. All the mechinery is in first-rate working trim.

WHEAL ABRAHAM.—John Viylan: At old sump-shaft we have 10 men engaged.

the sine over 130 tons towards our next sampling.

working trim.

WHEAL ABRAHAM.—John Vivian: At old sump-shaft we have 10 men engaged in a cavarating the foundation of engine-house for 80-in. cylinder-engine, and preparing the shaft for coliaring, &c. At this point operations are being pushed on with the utmost vigour, that no time be lost in commencing the erections. We have been very fortunate in finding the opening of this important shaft, which has been covered with debris for

THE MINING JOURNAL

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od stops in the bottom of the 30, east of new shaft; the lode in it is 4 ft. wide, well affined; worth at the present point over 3 tons per fathom; but we find it rather spare rateping, owing to the large stream of water coming from the end. The lode in the ope at the back of the 20 is from 3 to 4 ft. wide, composed chiefly of ore and mundic; orth of the former about 2 tons per fathom. On the whole, our prospects are better an they were a month ego. Our machinery is working well.

MINING NOTABILIA. EXTRACT

GOLD IN WALES .- I perceive that the Vigra and Clogau Gold Mining GOLD IN WALES.—I perceive that the Vigra and Clogau Gold Mining Company are this week sgain able to report a considerable increase in the yield of gold. As a shareholder in some of the younger gold companies, I can only say that the continued returns made by this company form an all-sufficient reply to those parties who have so aystematically depreciated them by the cry of 'no gold in Wales." The setts of the East Clogau, the West Clogau, the St. David's, and the Welsh Gold Mining Companies adjoin that of the Vigra Company, and are on the same line with it, while those of the Cambrian and Prince of Wales, in the same neighbourhood, run parallel. I can hardly be brought to believe that the Vigra Company has all the gold which Nature has deposited in the district. I have no doubt there is as much for us as for them, and that when we shall have worked as long and gone as deep as they have our perseverance will meet with the same remark. My object in writing is to arge the directors of the various companies to lose not time in the erection of machinery and proper appliances for the vigorous prosecution of the works.—[Since writing the above, I am happy to find that the Welsh Gold Mining Company have already erected machinery, and are extracting gold; that the St. David's are creeting machinery, and that the East Clogau are putting up a waterwheel to work Britten's pans, and are about to sink upon the point where gold has discovered.

discovered.]

THE GRYLLS MINES.—A correspondent writes from this locality, giving a list of mines worked within a radius of three to four miles, whose returns of ore have amounted to near 4,000,000f, sterling. Such a shallow district must, at least, be admitted to be very productive, but one of these has attained a depth of 16 fathoms.

WHEAL CREBOH.—A very fine stone of ore from the 84 fathom level, east of Cock's shaft, showing the nature and quality of the lode, has been received at the office, which, no doubt, will prove interesting to such of the shareholders as may avail throughest of an inspection.

the office, which, no doubt, will prove interesting to such or the small improving, avail the melves of an inspection.

CRANE.—The lode in the Brigan shaft is 4 feet wide, still improving, and presenting a promising appearance. There is no alteration in any other part of the mine since last reported. We have sampled to day 14 tons of copper ore.

WHEAL CURITS.—The stopes in back of the 20, east and west of shaft, are much improved. The pitch in bottom of the 10 is looking better. No alteration in any other part of the mine. Square's shaft, on the Dumpiling lode, is now cut down from surface to the adit level, and is ready to fix skip-road. When this is done we shall begin to sink immediately. The shaftmen are progressing very favourably cutting elatern-plat in bottom of sump-shaft.

Elstern-plat in bottom of sump-shaft.

NORTH GREAT WORK, though but little dealt in on the London market,

elstern-plat in bottom of sump-shaft.

NORTH GREAT WORK, though but little dealt in on the London market, well deserves attention; it is to the north-west of Great Wheal Vor and Great Work Consols; to the north-east of Wheal Grylls, Mill Pool, and West Great Work; and to the south of the mines which have proved so rich in the Crowan district. The sett is very extensive; in fact, almost large enough for two mines. The district is good, the lodes most promising in appearance, and intersected by cross-courses; in fact, North Great Work possesses all the essentials to form a great and lasting mine.

STRAY PARK.—The following extract will, no doubt, prove of interest to the shareholders, and will be some encouragement to those who have supported the mine so long; —"The character of the lode in the shaft sinking below the 226 has undergone a favourable change, and is producing good work for tin, and looks well for further improvement shortly." As the next level will be looked for to repay us for our anxiety and the heavy calls we have paid to prosecute this adventure, the above improvement is cheering indeed—all connected with the mine feeling now assured a few months at the furthest will see the shares higher than ever, and I consider it only just the out-adventurers should be informed of the important change which has taken place.

THE GREAT DEVON AND BEDFORD (Colcharton) MINING COMPANY.—The reports issued by this company state that the main lode has been intersected in the 20 fathom level, with results yielding mundie, prian, and peach, with yellow and black copper ore of excellent quality; three branches have also been found in the shaft and cross-cut, underlying to Join the main lode at certain depths stated; another lode has also been discovered in the shaft, at a depth of 28 fathoms 3 feet. This important information has also informed that a lode, carrying a branch of rich lead ore, work 9.8, to 10.7, per fathom, has been discovered in driving the main lode decast. At 10 to 12 fathoms a cross-course will be in

athom, has been discovered in driving the main the present appearance of the lode large deposits fore may be expected.

Wheal, Seron has greatly improved; the sump-winze is worth 18 tons of copper ore per fathom. Tilly's shaft is worth 12 tons. The other parts of the mine relooking exceedingly well. We are daily expecting to cut the south caunter in the 150. NORTH CROFTY.—The great improvements in this mine are not, I think, nown to the public. Situated close to Dolcoath and Cook's Kitchen, and having the amer un of iodes as the former, there is not a mine in the list, probably, with such prospects; and the improvement being regular (lately more rapid) with the depth attained, there is an amount of certainty in the matter, looking to its rich neighbours as exceptional as incontestible. Mr. J. Y. Watson, in his "Annual Review" of a year 180, wrote of this mine as follows:—"Since it has been under its present management its character has been changed, much in the same manner as Dolcoath and Cook's Kitchen, before it turned out very preductive for tim." Since then the progress has been as marked and great as it has been regular and stady; latterly, however, evincing more rapid improvement, and the lodes I see, by the report of the fit hinst, were worth 1704, together, having in the lower levels nearly doubled in value in the last two months.

CLOWANCE WOOD MINING COMPANY.—The directors of this company have given notice that they will proceed to allot the shares on Monday next.

GRYLLS CONSOLS, hitherto worked by a few local adventurers, is this week introduced to the notice of the public, and, considering its position and prospects, is likely to prove one of the prizes of the year.

GRYLLS CONSOLS, hitherto worked by a few local adventurers, is this week introduced to the notice of the public, and, considering its position and prospects, is likely to prove one of the prizes of the year.

St. DAVID'S (Gold).—Captain Faull writes—"We are continually discovering traces of gold in the Elizabeth lode, which is of enormous size, and one of the largest in the district." United Mining Company.—The list for applications for shares in this company will close on Thursday. Great success is expected to attend this undertaking, the intrinsic merits of which are considered second to nonain the district, it being surrounded by the richest mines in the locality. The lodes of the Clifford Amaigamated are known to run through this sett; and several of the directors are gentlemen of high standing in the county, and practically acqualited with mining, more particularly in that district.

GREAT WEST CHIVERTON.—This sett, adjoining West Chiverton and Chiverton Moor, is about to be worked energetically by a London Company, who anticipate that they will make large profits from it. The number of shares is to be 3000, a favourite number in the Chiverton district. Great West Chiverton is on the same lodes and in the same strata as West Chiverton.

myourite number in the Chiverton district. Great west Universon is on the same lodes and in the same strata as West Chiverton.

NORTH GREAT WORK.—As this company is now opening up so well, a London office of reference would hollitate the transaction of all business; for although the Liverpool adventurers are good holders, and work their mine energetically, still many who would be attracted by the position of the mine to invest money in shares are deterred from doing so by not being able to obtain information in London in reference to the company.

are deterred from doing so by not being able to obtain information in London in reference to the company.

EAST CARADON.—This mine is gradually improving again, and during the next few weeks is likely to cause some excitement. The shares in the course of the week have risen 2l. each, leaving off at 30 to 30½; and, as the lode in the 80 fathom level cross-cut is likely to be cut into rich within the next ten days, no doubt shares will have a great rise, and probably see 35l. to 40l. a share. The last two months sales of copper ore (nearly 1000 tons) realised 7400l., which will leave a profit of about 5000l. The next quarterly dividend will be 25s. a share, or equal to 17 per cent, per annum. If the lode in the 80 fm. level cross-cut is cut rich shares must go to 50l. again. St. DAYLD's (Gold).—Specifications and plans of machinery for this mine have been approved by the directors, and will be in working order in about seventy days. The appliances for working the river are in course of construction in London, and river-washing will be shortly resumed.

SUCTH WIREL CROFTY is looking remarkably well, the shafts and levels being worth 74l. per fathom. Considering that the mine is in only 337 shares,

days. The appliances for working the river are in course of construction in London, and river-washing will be shortly resumed.

SOUTH WHEAL CROFTY is looking remarkably well, the shafts and levels being worth 741, per fathom. Considering that the mine is in only 937 shares, the present price of the shares is exceedingly low. The mine is worked with great energy, and the tutwork operations have been considerably increased. The returns are principally from sinking and drivages, no stopes being valued in the reports.

CRANE.—The shaft sinking on the Briggran lode has greatly improved in the last few fathoms; the lode is now fully 4 feet wide, and presenting a most promising appearance. There is no particular change in any other part of the mine. About 14 tons of ore was sampled on Thursday of the usual rich quality. The slightest investment.

travestment.

CARNELLOE CONSOLS.—This mine, which is in the parish of Zennor, is held under lease for 21 years, at 1-20th dues. The adventure is to be conducted on the Cost-book System, and is divided into 3000 shares, on which 11. per share has been paid; about 6001. remains for iurther operations, and the monthly cost is about 1201. There are several lodes running through the sett, three of which have been worked upon shallow by the old men, and tin and copper was returned, but only one, the main lode, has been seen in depth. At about 50 fms. west of the shaft these three lodes will form a junction, and it is intended to sink the shaft 20 fms. deeper, and then drive a level west to cut these lodes at the point of interaction; the adit is also to be continued to open other lodes. A 42-feet water-wheel has been purchased for winding and stamping. It is calculated that a small call, in addition to the unexpended balance, will be enough to prove the points referred to. Capts. Roach, Rogers, and Williams have inspected and reported favourably upon the property.

prove the points referred to. Capts. Reach, Rogers, and Williams have inspected and reported favourably upon the property.

VALE OF TOWY.—For some time past the weekly reports received from this mine have shown a steady and material improvement. The blende is of so rich a quality that the returns of this metal alone almost pay the cost of the mine. The character of the ground in the lower level has so much improved, that the captain is very confident that a rich bunch of lead will shortly be discovered. Such a discovery would again place the mine in the Dividend List, and cause the share rapidly to advance to a high price.

WHEAL CURTIS has improved considerably within the leaf form.

WHEAL CURTIS has improved considerably within the last few days. WHEAL CURITS has improved considerably which in the start anys. The stopes in the bottom of the 20 are becoming more productive. The winze sinking below the 10 has also improved, and the mine in every point is looking far better than at any previous time during the present working. It will not be at all surprising if this mine takes a very leading position within the next few months.

KONGSBERG (Native Silver).—A great discovery has been made at this mine, and it behoves the shareholders to watch well their interest.

NORTHAMPTONSHIRE IRON ORE.—Another large furnace, of considerable dimensions, has been commenced by Messrs. Butlin and Co., of Wel-

Ingboro'.

THE DISCOVERY OF IRON ORE ON THE SANDRINGHAM ESTATE,—An able letter on this subject appears in a local paper, which will be noticed in next week's Journal. The statements which have appeared on the subject seem rather highly oo loured; even, however, should they prove well founded, the absence of coal in the neighbourhood will necessitate the shipment or tram-transit of most of the ore obtained to other districts.

London General Omnibus Company,—The traffic receipts for the week ending February 14 was 98061, 0s. 9d,

With this week's Journal we give a SUFPLEMENTAL SHEET, which contains—History of Mining Operations in Teesdale; the Actual State of the Works in the Mount Cenis Tunnel, and Description of the Machinery employed; Mining in South Australia; Gold Mining in Victoria; the Mariquita Mining Company meeting; War and the Metal Trades; the Grylls Mining District, with Plan; Foreign Mining Reports. &c.

Nepris, cc.

With last week's Journal we gave a Supplemental Sheet, which contains a report of the Miners' Association of Devon and Cornwall general meeting; the Geological Society of London; the Combmartin (North Devon) Mining District; Mining in Ireland—No. XIII.; the Island of Easdale—No. III.; A German Mine; Foreign Mines, &c.

With the Journal of Feb. 6 we gave a SUPPLEMENTAL SHEET, which contains—Slate Quarrying in Easdale; Mining in Ireland—the Sheep's Head District; Institute of Mechanical Engineers; the Combmartin, North Devon, Mining District, with Plan; Manchester Association for the Percention of Stephenson, for the Prevention of Steam-boiler Explosions; the Coal Trade of New South Wales; Free Trade in Inventions; Mining Statistics of Cornwall and Devon; Naval Construction, &c.

The Mining Market; Prices of Metals, Gres, &c.

METAL MARKET-London, Feb. 19, 1864 COPPER. £ s. d.

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. At the works, 1s. to 1s. 6d. per box less

REMARKS.—The Metal Market, during the past week, has not presented any particular feature of interest. Business generally has been dull and inactive, and though some transactions of a speculative character have inactive, and though some transactions of a speculative character have taken place, they have been by no means very important. The still high rate of interest, with the present general aspect of political affairs, telling unfavourably upon the market, and tending to prevent many operations, which otherwise might be entered into. It was expected that the directors of the Bank of England would have announced a further reduction of the rate of discount on Thursday last, but this was not done; had it been the case it would have tended somewhat to raise the dropping energies of the case it would have tended somewhat to raise the drooping energies of the metal trade, and it is to be hoped that this reduction is not far distant. The advices from India have been of a rather more favourable character;

the metal trade, and it is to be hoped that this reduction is not far distant. The advices from India have been of a rather more favourable character; the money market there appears to be easier, and the rate of exchange somewhat lower; this is, so far, good, and it is to be hoped that the next intelligence will be still more cheering, as it is very desirable that the Indian trade should be improved, having been for some time languishing; but it may now be anticipated that affairs in India have seen the worst, and will take a more favourable turn.

COPPER.—Transactions in this metal continue very limited, and there are still some second-hand parcels on the market, which may be obtained at from 3l. to 4l. under smelters' prices. Bombay advices state that there is a rather better feeling in copper there.

IRON.—The intelligence from the iron districts state that there exists a fair amount of orders from America, and for hoops and sheets also the demand is generally good; for bars, however, the orders are not very large at the present time; no doubt large orders given out before the advance remain to be executed; but the buyers, in many cases, do not send specifications. The leading houses are busy, and the small makers tolerably so; and the almost universal opinion is that the orders to be given out by the end of the present month will be large. Swedish iron continues looking well; the stock here is comparatively small, and until arrivals can take place the present price will be maintained. Scotch pig-iron has not very greatly varied in price during the week, though the general tendency of the market has been downward, apprehensions concerning European politics having acted prejudicially upon the market. The price declined from 61s. 10d. cash, and 62s. 4\frac{1}{2}d. one month, to 60s. cash, and 61s. 6d. three months, at which a tolerable amount of business was done. The last advices from Glasgow state that a further improvement took place, and a moderate business was done at 60s. 6d. cash, 61s. one month, and 62

last advices from Glasgow state that a further improvement took place, and a moderate business was done at 60s. 6d. cash, 61s. one month, and 62s. three months. On the intelligence of the blockade of the German ports, however, warrants dropped to 60s. 1½d. cash, and 61s. 10½d. three months, at which the market closed sellers; buyers, 1½d. less.

Lead.—A very fair amount of business is still doing in this-metal. Prices remain firm at 21l. 10s. for common English pig, and 22l. 5s. for WB. TIN.—But little business is doing in foreign; the market is very inactive, and no improvement in prices from last quotations.

Spelter.—The market continues firm, although no advance in prices has occurred; transactions have taken places at 21l. 10s. for this month's delivery, 21l. for April, and 20l. 10s. for June delivery.

Spelt.—No improvement has taken place.

STEEL.—No improvement has taken place.
Tin-Plates.—An average amount of business doing at former prices
Quicksilver.—No change has yet occurred.

THE SCOTCH PIG-IRON TRADE.—Statistics in the present age dispel The Scorce Pic-Iron Trade.—Statistics in the present age dispel illusion, and applying those to the greatest and most important industry of Scotland, let us look calmly at the result. The Iron Circulars issued at the end of last year exhibit the accuracy of the statement which appeared in the Journal two weeks ago in regard to the Scotch pig-iron trade. The fact, therefore, remains that the stock of pig-iron in Scotland is now at least 800,000 tons; and another important fact to be kept in view is that there are 134 furnaces in blast, producing about 24,000 tons weekly, whilst the total deliveries have not yet exceeded 18,500 tons weekly. It is, therefore, not to be wondered at, with the enormous accumulation is, the testing and the be wondered as, which the cholmous accumulation of stocks, and prices at the present range, that consumers and shippers should confine their operations to the narrowest limits, and, of course, increasing depression in price must be the inevitable result.

Boston, Feb. 1 .- There have been sales of Pictou and Sydney coal at to \$8 50 per ton, cash. In English Cannel the sales have confined to small 5 to \$17 per ton. Anthracite have been in steady retail demand at \$12 per to

NEW YORK, FEB. 3.—The coal market has been fairly active for domestic, and prices are without change to note, but consumers have the advantage at the close. We quote from yard at \$7 to \$9.50 per ton. The supply of foreign is very limited the demand fair, and prices firm. In copper, refined ingot has continued in good demand at 40 to 40% c. for Baltimore and Bergen Point, and 41% to 42 c., cash, for Lake Superior. New sheating boils and brazier's are firm at 36 c.

COAL MARKET .- On Monday, 32 fresh ships came forward, and the weather continuing very unfavourable business was dull, at Friday's quo-tations for all descriptions. Best house coal, 19s. to 20s.; seconds, 17s. to 18s.; Hartley's, 13s. 6d. to 14s. 6d.; manufacturers', 13s. to -15s. per ton.—On Wednesday there were 22 arrivals, which, added to those standton.—On Wednesday there were 22 arrivals, which, added to those standing over from Monday, gave a considerable quantity of house coal for sale, and prices were reduced 1s. per ton; this stimulated demand, and a fair amount of business was done. In other coals no alteration in value.-

On Friday, the northerly wind brought up 118 fresh ships, and the weather being cold and frosty there was a steady business in house coal at fully last prices; Hartley's and manufacturers' without afteration. Hetton Wallsend 19s.; Braddyll's Wallsend, 17s. 6d.; East Hartleyol Wallsend, 18s. 6d.; South Kelloe Wallsend, 17s. 3d.; Heugh Hall Wallsend, 17s. 3d.; Hetton Lyons Wallsend, 16s.; Framwellgate Wallsend, 16s.; Hasting's Hartley, 14s. 6d.; Tanfield Moor, 15s.: 60 cargoes unsold; 20 ships at sea.

20 ships at sea.

EXPORTS OF COAL.—By the Monthly Circular of Messrs. Laird, Live.

BOOL, we learn that the quantities of coal exported during Jan. was 531,704

tons, against 394,381 tons in the corresponding month of 1863, showing a

increase of 137,323 tons. The particulars are—From the Northern ports,

207,542 tons; Yorkshire, 16,317 tons; Liverpool, 66,202 tons; Seven

ports, 205,672 tons; and Scotch, 35,971 tons. The increase was—Northern ports, 62,269 tons; Liverpool, 26,218 tons; Savern ports, 47,991 tons;

Scotch ports, 2618 tons. The decrease—Yorkshire, 1773 tons.

The settlement of the fortnightly account in the MINING SHARE MARKET, on Monday, was particularly heavy, and passed off well, and the business since transacted has been very extensive in several prominent mines, and a great rise has taken place in many. West Chiverton shares opened 60 to 61, and after a very large business leave off 69 to 70. It is not yet quite 12 months since this mine was purchased for 30,000L, or 10L per shi and the rise, for a lead mine, has been most extraordinary and rapid. East Rose, once the richest lead mine in the kingdom, rose from 10% to 1500%, per share in a few years, and when the shares were well circulated about; but Devon Consols (copper) rose in 12 months from 1024% to 800,000%, at a time when the whole property belonged to some half-dozen individuals; and now West Chiverton, in 11 months, has risen from 30,000%, to 210,000%, when two-thirds, or 2000 shares, belong to three persons, who expect to see them at 100% each. The ore sampled for the month, at West Chiverton, is 140 tons, estimated to produce 2800%, at a cost of about 1000%. Valpy's lode, in the 80 west, is worth 40% per fathom; the 80 east, 30% per fm.; No. 2 winze, 30% per fm.; the 80 east, 20% per fm.; No. 2 winze, vsit of Daukes's, is down nearly to the 80, worth 70% per fm. Wheal Chiverton shares have advanced to 13, 14; the water is expected to be down to the 40 immediately. Chiverton Moor shares advanced to 6, 6½; East Chiverton, 5 to 5½. East Caradon shares have been very firm, and leave off 29½ to 30½; the report states that the lode is near at hand in the 80 cross-cut, which is a very important point; and if a good lode be cut, about which we have not much doubt ourselves, there will again be great excitement and dealing in the shares at advanced rates; but a poor lode, on the Rose, once the richest lead mine in the kingdom, rose from 10% to 1500% eross-cut, which is a very important point; and if a good lode be cut, about which we have not much doubt ourselves, there will again be great excitement and dealing in the shares at advanced rates; but a poor lode, on the other hand, will cause great depression and uneasiness; and we trust the result, whatever it may be, will be telegraphed at once to the Stock and Mining Exchanges. West Seton, 190 to 200; at the meeting, held on Thursday, the accounts showed a profit of 17011. 1s. 6d. on two months' working, and a dividend of 4l. per share (16001.) was declared, leaving 8661. 10s. in hand. The ores sold, and to be credited in the next account, on April 12, realised 48861. 8s. 11d. The lode in the 110 fathom level, 102 fms. west of shaft, is yielding 5 tons of copper ore per fm., worth 40l. per fm.; and as the best part of the lode is in the bottom of the level, is speaks well for the 120 fathom level. The ends, in the aggregate, are ready and the second of the secon

2922. 10s. 6d., but it was thought best to make a call of 1s. 6d. per shar, to put the finances in a good position, and it is hoped and expected from this time the mine will meet its own cost. Cock's shaft will be down to the 96 in a few days, when levels will be commenced on a good lode. The 84 east is worth 6 tons of copper ore per fathom; and the 72 east, 1½ to per fathom; this end is 40 fathoms in advance of the upper levels, leaving tin ground above unexplored.

West Frances, 26 to 28; at the meeting a call of 2l. per share was made. The 85 west is worth 16l. per fathom for tin; the 77, 11l. per fm. Croscutting has been commenced north to intersect the same part of the loss that the 85 and 77 are being driven upon; and there are about 2 fathoms to cut the lode. Copper Hill, 11 to 13; a correspondent suggests here that it is possible the agents are not driving upon the East Basset lode and recommends a cross-cut north and south. It is well known that Bulke was formerly abandoned for the want of something of this sort, and afterwards made enormous profits; and when it is considered that the East Basset lode was driven up to the boundary of Copper Hill, worth 70l. per fathom, and seemed to place the latter mine beyond a speculation, it is thought very extraordinary that up to this time nothing of equal richness or promise has been found beyond the boundary on Copper Hill. Calvadnack, 6 to 6½; Camborne Vean, 2 to 2½; Cook's Kitchen, 19½ to 20½. Drake Walls, 38s. to 40s.; East Basset, 67 to 69; East Carn Brea, 7 to 7½; East Grylls, 13 to 14; East Wheal Grenville, 2½ to 2½. The Grenville shares have been in great demand, up to 5½, 5½, and leave of 5½ to 5½; a correspondent, acting upon the advice given in this article three weeks ago, sent Captain Pascoe, the well-known manager of the adjoining mine (South Frances), to inspect Grenville, 24 to 2½. Wheal Grenville has her been and; and, in a private letter accompanying the report, Capt. Pascoe says, "It will take six months to get the mine in good working order (

and not required for present returns." In conclusion, he says, "I done know of any mine in this neighbourhood—I mean, any mine that it is not making dividends—that is likely to do so well as Grenville." This, from such an authority, must be very satisfactory to the shareholders. Grasi Wheal Busy shares have been very largely dealt in, and leave off 4 to 4½; the lode at the engine-shaft is worth from 25l. to 30l. per fathom; Offord's shaft, 30l. per fathom; and other parts continue to look well. Prosper United shares have again fluctuated, and leave off 7 to 7½; the lode in ths 80, west of Louisa's shaft, is worth 2½ tons of ore per fathom; the 70 east, on north part, 3 tons; the 70 west, 2 ton. Hingston Down, 4½ to 5; and the lode in the 110, west of Harris's engine-shaft, 130l. per fathom, with every appearance of a continuance.

East Rosewarne, 2½ to 2½; the 75 west is worth 20l. per fathom, and the 65 west 15l. per fathom. The ore sampled, 135 tons of rich ore, will give a good profit on the two months' working. Wheal Kitty (St. Agnes), 7½ to 7½; the lode in the 72 east is worth 12l. per fathom, in the 15 east, 25l. per fathom. The mine continues to look well. Wheal Harriet, 1½ to 2; the lode in the 115 end has improved, and worth 1 ton of one per fathom. The west stope is worth 20l. per fathom; east stope, 20l. per fathom. East Russell, 4½ to 5; Grambler and St. Aubyn, 10 to 11. North Buller shares advanced on Thursday from 3 to 6, and lean off 6 to 7, owing to an improvement in the mine. At the meeting a cill of 12s. 6d. per share was made. The accounts showed a balance agains the mine of 269l. 1s. 3d. The improvement referred to is in the 78 end east; lode worth 8l. per fathom for copper. Great Retallack, 6s. 6d. 5s. 6d.; Great South Tolgus, 4 to 4½. Great Wheal Vor shares have advanced to 20, 21. Great Wheal Fortune, 19 to 20; Marke Vally, 6½ to 7½; North Basset, 2 to 2½. Bryn Gwog, 35 to 36; the lode in the shaft is worth 1½ ton of lead ore per fathom. The 90 west is worth 1½ ton, and the 90 east 25 cwt Damiel, 30 to 30. Wheal Basset snares have advanced to 30, 30. State 13\frac{1}{2}\times to 13\frac{1}{2}\times to 14\frac{1}{2}\times to Heal Seton, 175 to 180. Wheal Trelawny, 22\frac{1}{2}\times to 23\times to 3\frac{1}{2}\times to 13\frac{1}{2}\times Central Minera, 2 to 2\frac{1}{2}\times Grylls Wheal Florence, 3\frac{1}{2}\times to 3\frac{1}{2}\times At North Wheal Crofty, in the 1\frac{1}{2}\times 12\times 12\times

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west, the lode has greatly improved in appearance, worth 45*l*. per fathom. In the 160 east the lode is worth 40*l*. per fathom. They sold on Wednesday 8 tons, at 73*l*. 10s. per ton. Wheal Unity, 5s. to 10s.; at the meeting a call of 3s. per share was made. The report was of a favourable character, and it was resolved that Capt. Roberts, of West Basset, should inspect and report upon the lode at the flat-rod shaft, as it was upon his recommendation that operations were carried on in that part of the mine.

GOLD IN WALES—EXTRAORDINARY RESULTS.—The produce of the Vigra and Clogau Mines for the past week was 296 ozs. 16 dwts. 10 grs. of Gold, from 10 cwts. 3 qrs. 23 lbs. of ore.

On the Stock Exchange there has been great animation in Mining Shares during the week, and prices have been well supported. The following quotations were officially recorded in British Mining Shares:—Devon Great Consols, 575; North Wheal Crofty, 5½; Providence, 46, 45½; East Caradon, 28½, 28½, 29, 29½, 29½; Grenville, 5½, 5½; West Chiverton, 63; Hingston Down, 5, 5½; Wheal Seton, 177; Chiverton, 12½, 13, 13½, 13; Great Wheal Vor, 19½, 20, 20½; North Wheal Basset, 2½; Tincroft, 20½; Wheal Ludcott, 3, 2½; Margaret, 18½. In Colonial Mining Shares the prices were:—Cape, 8½, 8½, 8½; Yadanamutana, 2¼, 3, 2¾, 35; Scottish Australian, ½. In Foreign Mining Shares the prices were:—Cobre, 35½, 36½, 36½, 36, 35½; Don Pedro, ¼; Linares, 7, 6½; Montes Aureos, 2½, 2½; Alamillos, ½, ¼; United Mexican, 7, 6½, 6½, 7, 6½; Panuncillo, 2½; St. John del Rey, 50½.

IRISH MINE SHARE MARKET.—Except in shares of the Mining Company of Ireland, we have no official quotations of actual transactions this week. Wicklow Copper shares were in request at 12½. 17s. 6d. (2½. 10s. paid), but none were sold, holders being firm. Connorree shares could have been procured at 19s. 6d. to 20s. Carysfort shares were offered for sale at from 16s. to 19s., just as the desire to exchange into other mines fell or rose with the speculators. Holders of shares in the General Mining Company for Ireland tried to bring about an improved quotation of these securities, but met with no buyers at their price of 4½. 2s. 6d. to 4½. 5s., which, otherwise, would have been an advance of 2s. 6d. to 5s. on last week's price. On the other hand, the Mining Company of Ireland shares (7½ paid), which closed last week in demand at 23½. 10s., rose gradually to 23½. 18s. 9d. cash, and 24½ for account, but the latter only nominally. In accordance with our prediction of last week, that "though the prospects of the company never were better, it cannot be expected that their shares will go much higher," the price has settled down to 23½. 5s., commanding much attention at that rate, only a few being on offer under 23½. 10s.

the price has settled down to 23t. 5s., commanding much attention at that rate, only a few being on offer under 23t. 10s.

An influential company, with a guaranteed capital of 500,000t. sterling, has been inaugurated, and in next week's Journal its prospectus will be published in extenso. The object of the undertaking is to carry on a general money-dealing business with public companies only, with which class of business there is considered to be much less risk than in dealing with individuals, whose pecuniary position often cannot be accurately ascertained. The company is, we believe, the first that has been brought before the public in which the very excellent principle of "limit by guarantee," authorised by the Companies Act, 1862, has been availed of. Its advantages are, that the confidence of those dealing with the company, whether creditors or otherwise, is secured without the necessity of raising the enormous capital usual with joint-stock companies to accomplish the same object. The liability of holders of shares "limited by guarantee" is strictly limited to the amount subscribed (as is the case with all shares in limited companies nnder the Companies Act, 1862), but no payment in respect of shares "limited by guarantee" can be demanded whilst a company continues to carry on business. During this time the shares, although nothing has been paid upon them, participate to the same extent as if the full amount guaranteed had been actually paid-up. To prevent any who might be unable to contribute the amount guaranteed by them from becoming members of the company, it has been provided that every applicant for shares "limited by guarantee" shall give a reference to his banker, in order that his stability may be ascertained. The present is considered a very opportune moment for introducing the enterprise to the notice of the public, for although the price of money is high, the trade of the country is in a healthy and prosperous condition. The principle of "limit by guarantee," moreover, gives to the capitalist

rantee" is fully explained in another column of this day's Journal."

The General Property and Finance Company, with a capital of 100,000L, in shares of 10L each, has issued its prospectus. The object of the undertaking is to carry on the businesss of a land and building society, and to render monetary assistance to builders and contractors. It is mentioned that private individuals who have conducted this class of business have in many instances realised large fortunes. The company will in no case advance money without having property mortgaged to it for the full value. The company will introduce borrowers to lenders, and will use every effort to secure moderate charges to customers, and considerable profits without risk to shareholders.

risk to shareholders.

The London Gas Meter Company, with a capital of 100,000%, in shares of 10% each, has been formed for the purpose of purchasing from Messrs. Bischoff, Brown, and Co., and developing the invention of Messrs. Kromschreder for an improved wet meter, now used by many of the metropolitan and provincial gas companies, who have fully tested its capacities, and proved its superiority over any other meter for correctness and simplicity. The business has more than doubled itself during the past year, and more capital being, therefore, required to sell to the company at a valuation, the vendors accepting two-thirds of the purchase-money in paid-up shares of the company. The vendors' shares receive no dividend until 7 per cent. has been paid on the remainder, but when 7 per cent. has been paid upon the whole capital for two consecutive years, the distinction between the two classes of shares is to cease. The services of the acting partner in the firm have been secured by the company for the office of manager.

manager.

The South Wales Colliery Company has issued its prospectus, the object of the undertaking being to lease or purchase coal fields in the South Wales basin. The capital is fixed at 200,000L, in shares of 25L each, and 10 per cent. is payable on allotment. The chairman and deputy-chairman are Mr. Crawshay Bailey, M.P., and Mr. R. W. Kennard, M.P., and the other members of the board are gentlemen of almost equal position. The South Wales exports for 1862 amounted to 2,378,971 tons, and the returns for 1863 will show an increase. The demand at Cardiff and Newport far exceeds the supply, in consequence of which the average price has risen from 8s. to 11s. or 12s. per ton, whilst the total cost of raising, royalty, and carriage to Newport is 6s. 9d. The workable thickness of the seams is 30 feet. A 50 years' lease of the seams, which are in the barony of Abergavenny, are offered upon advantageous terms. It is estimated that at least 20 per cent. upon the 75,000L to be first employed will be realised.

The Frontino and Bolivia South American Gold Mining Company,

mines offering for sale only 50 tons or under (instead of 30 tons or under), will be included in one ticket.

mines offering for sale only 50 tons or under (instead of 50 tons or under), will be included in one ticket.

At West Wheal Scton meeting, on Tuesday, the accounts for Nov. and Dec. showed a credit balance of 24661. 10s. The profit on the two months 'working was 1701l. 1s. 6d. A dividend of 16001. (4d. per share) was declared, and 3641. 10s. carried to credit of next account. The copper ores sold to be included in next account amount 48861. 8s. 11d. Capte. C. Thomas, M. Bath, and J. Jennings reported upon the various points of operation. They have 38 pitches working by 122 men; average tribute, 7s. in 1l.

At the Trelawny Mine meeting, on Thursday (Mr. R. Hallett in the chair), a dividend of 16s. per share was declared, which left an undivided profit of 98l. to be carried forward to the reserve fund, increasing it to 1100l.

At the Clifford Amalgamated Mines meeting, on Wednesday, the accounts for Nov. and Dec. showed a credit balance of 1564l. 3s. The profit on the two months' working was 1463l. 18s. 4d. A dividend of 1460l. (10s. per share) was declared, and 114l. 3s. carried to credit of next account. Capt. John Richards reported that, taking the prespects of the mine generally, they are looking well.

At the Wheal Polmear meeting, on Tuesday (Mr. W. Hancock in the chair), the accounts showed a credit balance of 300l. 18s. 2d. Mr. F. Barratt, Jun., was appointed purser, and his salary increased from 6l. 6s. to 8l. 8s. per month. A very kindly piece of ore ground has been opened on Smyth's lode east, at the adit level, and there is every confidence to be placed in the ultimate success of the undertaking, particularly in the eastern and southern ground. Capts. John Dalley and Wm. Rowe's salary was without alteration; they have four pitches at work, one man and one boy in each, at a tribute of 12s. in 1l. They expect their next sampling will be as large, if not larger, than the last.

At Wheal Crebor meeting, on Thursday, the accounts showed a credit balance of 292l. 10s. 6d. A call of 1s. 6d. per share was mad

At the Nanteos Mine general meeting, on Wednesday, the reports read were considered highly satisfactory, and the accounts presented showed cash and arrears of calls, 1460, 11s. 10d., as against the total amount of debts, 152t. 16s. 10d., thus showing an available balance of assets over liabilities of 1307t. 15s.

At the West Wheal Frances meeting, on Feb. 10, the accounts for the three months ending November showed a debit balance of 852t. 5s. 5d. A call of 2t. per share was made. Captains Thomas, Mayne, and Craze reported upon the operations at the mine. Capt. Mayne having expressed a wish to retire from the more arduous duties of underground agent, it was resolved that Captain H. Rablyn be appointed underground agent, at 4.7. 7s. per month, and that Captain Mayne be retained as surface agent, at 4.4. 4s. per month.

the mins. Capt. Mayne having expressed a wish to relife from the more arduous duties of underground agent, it was resolved that Captain M. Rablyn be appointed underground agent, at 71. 7s. per month, and that Captain Mayne be retained as surface agent, at 44. 4s. per month.

At the Hawkmoor Mine meeting, on Feb. 11, the accounts for the four months ending January showed a debit balance of 1764. 3s., and a balance of Habilities over assets of 8981. 4s. 2d. A call of 2s. 6d. per share was made. Capts, J. Richards and J. Gifford reported upon the points of operation.

At the Wheal Prosper meeting, on Feb. 11, the accounts for the nine months ending December showed a debit balance of 13994. 2s. 6d. A call of 1s. 8s. 10d. per share was made. Captains Stephens and Blewett reported that the driving of the 40 fm. level cross-cut, to intersect the north loces, will take about four months.

At Wheal Norris meeting, on February 11, the accounts showed a debit balance of 13194. 4s. 10d. A call of 4s. per share was made.

At Polhigey Moor Mine meeting, on February 11, the accounts showed a debit balance of 841s. 12s. 6d. A call of 5s. per share was made. Messrs. Peter Clymo, F. Puckey, C. E. Treffry, and W. West were re-elected as the committee. Captains Clymo, West, and Puckey reported on the mine: they "are still of opinion that the mine is of great promise, being satisfied that the set contains several good lodes; one in particular (the engine or Calvadnack lode) from which, in the adjoining mine, 40,000. worth of tin has been raised. Add that the debote meeting is on ther commissation which, in the adjoining mine, 40,000. worth of tin has been raised; and the liabilities on Dec. 31 were 419. 16s. 8d. Since which a further sum of 255s. has been paid into the bankers, in respect of the call of 2s. 6d. made at the October meeting; so there remains a balance of 35tl. 17s. 6d. still to be received. A call of 2s. 6d. per share was made. The works have been carried on with regard to economy, and the quartz lode laid open is of

At the English and Australian Copper Company meeting, on Thursday (Mr. Routh in the chair), a dividend of 2s. 6d, per share was declared. The result of the meeting is given in another column.

At the Bon Accord Copper Mining Company special general meeting, yesterday (Mr. Adolphus W. Young in the chair), the report of the directors was taken as read. The Chairman said that the board had carried out the resolution passed by the sharsholders in May last, which was to the effect. that the directors be, and hereby party, taking and being guedt a spicontions, at greater depth, in the Bon Accord property, and the property of the company should be the company should be company and the property of the company should be prosecuted that not been attended with the result that had been hoped for as probable. Having referred to the main points in the report, he concluded by proposing "that the Bon Accord Copper Mining Company (limited) be, and hereby is, dissolved, and that the same, and the whole affairs thereof, be now wound-up voluntarily, under the provisions of the Companies Act, 1882. Mr. Javitt strongly contended against the dissolution and winding-up of the company, and expressed an opinion that directors in solving about a copital of the company should have been expended by the directors in solving about the colony, and recently reported upon the mine) stated he had advised the committee at Adelaide that there were no indications at the bottom of the engine-shaft—which was the greatest depth attained in the property—to encourage deeper sinking there, and he considered it would have been a waste of money to do so. He had recommended the greatest depth attained in the property—to encourage deeper sinking there, and he considered it would have been a waste of money to do so. He had recommended the greatest depth, even if the whole of the available capital on the colinion, he (Mr. Jawitt) still thought that the englishment of the sarried of bear workings might have been carried in that direction, and such as a supering

nd Newport far a sing, gryalty, and carriage to Newport and sales of the seams is 30 feet. A 50 years' lease of the seams is 30 feet. A 50 years' lease of the seams is 30 feet. A 50 years' lease of the seams is 30 feet. A 50 years' lease of the seams is 40 years' lease of the seam are offered upon advantageous terms. The footness of the same name in the province of Antioquia, New Granada. The prospectus states that the gold is disseminated through the lodes, as at 81. John del Rey, and that specimens have been assayed by Messrs. Johnson and Matthey, and yielded at the rate of 463 czs. and 28 czs. respectively to the ton. The estates are freehold, and extend over nearly 5000 acres. Capt. W. Goyen, who has resided two years on the property, considers that the "property, as comprised in the two estates (the Frontino and the Bolivia and Juan Criollo) is equal, if not superior, to any in the known world."

At Truo Ticketing, on Thursday, 4664 tons of ore were sold, realising 25,0817. 14s. The particulars of the sale were:—Average standard, 1871. 1s.; average produce, 5½; average price per following are the particulars' fine copper, 276 tons 11 cws. The following are the particulars' fine copper, 276 tons 11 cws. The following are the particulars' fine copper, 276 tons 11 cws. The following are the particulars' fine copper, 276 tons 11 cws. The following are the particulars' fine copper, 276 tons 11 cws. The following are the particulars' fine copper, 276 tons 11 cws. The following are the particulars' fine copper, 276 tons 11 cws. The following are the particulars' fine copper, 276 tons 11 cws. The following are the particulars' fine copper, 276 tons 11 cws. The following are the particulars' fine copper, 276 tons 11 cws. The following are the particulars' fine copper, 276 tons 11 cws. The following are the particulars' fine copper, 276 tons 11 cws. The following are the particulars' fine copper, 276 tons 11 cws. The following are the particulars' fine copper, 276 tons 11 cws. The following are the particulars' fine

ore, valued at 361., 301., 201., 141., 121., and 101., per fathom, giving the value of the lode in the aggregate at 1501. per fathom. From the date of this discovery, in October last, until the end of November, less than two months, 7001. worth of capper ore was raised, and sold at a profit of 4504. The wet essaon set in, and the water rose was raised, and sold at a profit of 4504. The wet essaon set in, and the water rose was raised, and sold set a profit of 4504. The wet essaon set in, and the water rose was considered to the bottom of the level; but in a month or two this level will be again drained, and as Busy proper is now working at a good profit, the alventurers have resolved at the next meeting to divide this mine from Great Busy, and work it as a separate sett, giving each shareholders for the same interest it. Hallancheagle as he holds in Great Busy, a when a small pumping-engine will have to be exceted. I have no doubt the returned the mine will pay for the machinery, and give great profits. To the present shareholders of Great Wheal Busy this mine is a valuable consideration, and I believe, if brought out as a new company, would command a premium equal to the present market value of the whole property known as Great Wheal Busy.

YUDANAMUTANA MINE.—We alluded last week to the arrival of the Orient from South Australia, with a considerable quantity of ore from this mine; and, in continuation, it is interesting to mention that thirteen blocks, varying in size from 1 to nearly 5 tons in weight, have been landed at the London Docks, near the Marble Crane, where they will remain for a few days, and are well worthy the inspection of all who are associated with mining generally, or the particular enterprise. They are indeed most remarkable, both as to size and quality—wonderful specimens of the mineral lore of the northern districts of South Australia.

particular enterprise. They are indeed most remarkable, both as to size and quality—wonderful specimens of the mineral love of the northern districts of South Amstralia.

STRIKE OF COLLIERS AT ST. HELENS.—The colliers employed at the Haydock Collieries, near St. Helens, belonging to Messrs. Evans Brothers and Company, have struck work, owing to the masters refusing to grant the alteration in the hours of labour demanded by the miners. The masters with the men to work 12 hours per day, but the men refuse to work more than nine hours. The coiliers employed at Messrs Piklington's Coiliery, and at the Gerards Bridge Colliery, belonging to Messrs. Caldwell and M'Cormick, have also struck work on the same grounds.

ABERDARE, MERTHYR, AND LLANWONNO COAL FIELD.—The coal returns recently made up show the coal get throughout the above coal field, during the year 1863, to be 3,254,975 tons. Of this quantity Aberdare produced 2,145,969 tons; Merthyr, 812,778 tons; and Llanwonno, 293,225 tons.

THE PROFITS ON GAS.—By a parliamentary return, quoted by the "Journal of the Society of Aris," it appears that the metropolitan gas companies paid dividends in 1862 as follows:—The Chartered paid dividends at the rate of 9 and 10 per cent., including back dividends at 1 per cent. per annum for the half-year to Christmas, 1856; the City of London, dividends of 9 and 4 per cent., with a balance of 636. the Commercial, 30,5137, on a capital stock of 322,1957, (less sums remaining outstanding); the Equitable paid dividends at it he rate of 11,144, 14, and 10 per cent., (less sums remaining outstanding), with a balance of 58,500%; the Equitable paid dividends at the rate of 16 and 8 per cent. (less sums remaining outstanding); the Phenix paid in per cent. with 509, the defendant being indebted to his bankers, sent them certain title deeds, with a letter, in which he stated that he thereby pledged his grant of coal under a certain estate, which he specified, as a security for the money advanced, and also as "general cover" for his banking

| LEAD ORES. | Sold on the 6th February. | Purchasers. | Fondoyd. | Sold on the 6th February. | Purchasers. | Purc LEAD ORES.

BLACK TIN.

| Sold on the 8th February. | Sold on the 18th February. | Mines. | Tons c. q. lbs. | Price per ton. | Amount. | Purchasers. | Wheal Sidney ... | 4 11 | 0 10 ... | £73 | 12 | 6 ... | £ 335 | 6 | 5 - Calenick Co. | Sold on the 13th February. | Gt. Wh. Vor ... | 75 | 2 | 0 | 7 ... | 7 ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9 - ... | 5728 | 1 | 9

COPPER ORES.

COPPER ORES.

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ditto		6	0	0	ditto	60		3	3	
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ditto		2	14	6	ditto	30		14	0	
ditto		6	3	6	Bedford United	102		5	3	6
ditto		2	11	6				6	9	6
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 Sims, Willyams and Co.
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 Williams, Foster, and Co.
 987 3
 5022 13 4

 Mason and Elkington
 3004
 1808 31 0

 Backart and Sons
 1965
 1186 3 0

 Copper Miners' Company
 2744
 1440 7 4

 Charles Lambert
 57
 224 0 6

 Sweetland, Tuttle, and Co.
 414 854 19 0

 Penciawdd Copper Co.
 167 1965 6 9

Copper ores for sale on Thursday next, at Tabb's Hotel, Redruth.—Mines and pacels—South Caradon 470—Great Wheal Busy 457—Phomix 410—West Damsel 391. Clifford Amalgamated 387—Tywarnhalis 372—Fowey Consols 210—Craddock Moor 1: Great North Downs 112—Boccawen 53—Nanglies 65—Caradon United 63—Zaat West Ellen 50—North Grambler 35—Falmouth and Sperries 32—Great Brigan 25—Gramble and St. Aubyn 11—Mary Great Consols 7—Creegbrawse 6—Barrett's Ore 2—Ninnis Ore 2—Clarke's Ore 2—Aver's Ore 1—Olver's Ore 1—Total, 3374 tons.

ore 2—Clarke's Ore 2—Avers Ore 1—Overs Ore 1—Total, 33/4 tons.

Copper ores for sale on Thursday week, at Tabb's Hotel, Redrath.—Mines and Parcels
—Clifford Amalgamated 750—West Seton 480—Wheal Seton 315—South Toigus 270—
Saat Pool 191—Tolearne 170—North Rosker 123—Wheal Basset 122—New Truiciga
20—South Frances 117—East Basset 114—Tresavean 50—West Stray Park 32—Wheal
Crofty 31—Crane 14.—Total, 2904 tons.

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CRENVER AND ALFRED MINING DISTRICT.—
The CEOLOGICAL AND MINING MAP of THIS DISTRICT, now preparing WILL BE PUBLISHED on MARCH 1st. It will embrace the mines between Breag and Hayle, and from St. Hillary eastward to Crowan. Mounded, 21s.; plain, 15s. Subscribers' names may be forwarded to Mr. Brenton Symons, M. E., 18, Hatton-garden, E.C.

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niteries. 1, Mexican, or South American mines are considered by Mr. CLEMENT as first erties for investment, Norwegian silver and copper mines as second to none.

Notices to Correspondents.

* Muchinconvenience having arisen in consequence of several of the Numbers during the past year being out of print, we recommend that the Journal should be regular. **Med on receipt: it then forms an accumulating useful work of reference.

BLENDE ORES.—In last week's Journal there is a notice of the sales of blende to a large amount, at the extraordinary prices of 51. 4s., 51. 7s., and 51. 9s. per ton. The mine producing this ore is called South Lisburne. Can any reader inform me where it is situated, and any particulars of it, as it is not in the list of dividend or progressive mines? The mineral in question must be produced by a very extraordinary deposit.

—A CONSTANT READER.

Mines? The mineral in question must be proceed by a very activationary deposit—
—A Corstant Readem.

Prices of Pio-Leadem.* Salopian."—The prices of pig-lead, as published in the Journal
weekly, are the market prices for transactions actually effected during the week; we
believe they may be entirely depended upon.

Cwmeesian Gold Mine.—Some time since Mr. Readwin promised, through the Journal, to inform the sharcholders the results of the trials for gold, either "good, bad, or
indifferent." At times we are favoured with a ghost of a report, but his promise has
not been performed. Rumour is now current that a valuable deposit of visible gold
has been discovered, and that the captain has been desired to keep it quiet. Really,
Sir, those who have risked their money have a right to the information, more particularly as a meeting is summoned to take place to forfelt shares for non-payment of calls.
If the past proceedings of the doings at the mine were ventilated, many who have benefited would have more consideration for their poorer brethren, and not forfelt shares
in the present favourable state of the mine.—One was DIAS spectry Years and MI
MEANS IN DEVELOPING GOLD IN WALES.

The paper on Mines, Mining, and Smelting in Italy shall appear in a Supplement to next week's Journal.

ESTHER UNITED.—In Capt. Brenton's report, in last week's Journal, the quantity of tir per ton is put ozs. instead of lbs. For instance, l'ascoc's lode is stated to be (some of it) over 100 ozs. to the ton; it should be lbs.

THE MINING JOURNAL

Bailway and Commercial Gazette.

LONDON, FEBRUARY 20, 1864.

It is probable that no single Act of Parliament has done more to encourage enterprise and promote the successful development of the industrial resources of the country than the "Companies Act, 1862;" yet up to this time one of its most important provisions has been almost entirely overlooked; we allude to that which authorises the formation of Companies ("Limited by Guarantee," concerning the very existence of which so little is generally known to capitalists that we avail ourselves of the present opportunity (a new financial company adopting the "limit by guarantee" system having been inaugurated) to explain the nature of partnerships of this description, and to allude to some of the advantages claimed for them. The readers of the Mining Journal are already familiar with the discussion as to the combination of the "limit by guarantee" system with the Cost-book System, in order to secure the most desirable form of partnership for mining companies; but this is only an extremely limited application of the principle; the system of "limit by guarantee" is applicable to almost innumerable cases, and doubtless possess great attractions to capitalists.

cable to almost innumerable cases, and doubtless possess great attractions to capitalists.

That there are many transactions connected with trade and commerce where the trader possessing the confidence of those who have dealings with him may honourably and profitably carry on his business, with a merely nominal amount of actual cash, is well known; thus, a commission merchant's business, an insurance company, a banking company, and others, could be successfully carried on with scarcely any money-capital, provided the means be at the disposal of the managers of such undertakings to convince the public that there is an ample reserve fund to compensate for any trade losses that might be incurred, either from errors in judgment on the part of the management, or from absolute misfortune: the system of "limit" part of the management, or from absolute misfortune; the system of "limit by guarantee" enables such a reserve fund to be created with great facility, and prevents the possibility of its being drawn upon except by creditors, all of whom must derive equal benefit from it. The confidence which the public could place in a company "limited by guarantee" is beyond comparison with that which could be placed in it if incorporated as an ordinary limited company, because in the latter company operations could be continued until, the whole of the working capital having been expended, nothing would remain for distribution to the creditors, whilst in the former company the whole of the guaranteed capital with which operations were commenced will always remain available to creditors, the sole power of calling up quaranteed capital being, by the Act of Parliament, vested in art of the management, or from absolute misfortune; the system of "limit company me whose of the guaranteed capital with which operations were commenced will always remain available to creditors, the sole power of calling up guaranteed capital being, by the Act of Parliament, vested in the liquidators, the directors and company having no power over it what-ever; and the office of liquidator not existing until after winding-up has been resolved upon.

been resolved upon.

But the security which the system of "limit by guarantee" offers to shareholders is not less than that ensured to creditors, since, precisely in the same proportion as the safety to creditors increases, so have the shareholders power to prevent unnecessarily heavy debts being incurred, for the holders of the shares "limited by guarantee" being, so far as regards their power to obtain the winding-up of the company, in case it should be apparent that its business cannot be profitably continued, in the same position

as shareholders in an ordinary limited company; resolutions could be passed by any general meeting that liabilities beyond a given amount should not be incurred by the directors without the further sanction of the shareholders. The advantage of the "limit by guarantee" system being acknowledged, it only remains to consider the principle upon which it is based, and this, we think, will be readily understood. It was assumed by the Legislature that there were many cases in which the object sought to be achieved by a public company could be attained without the immediate payment of cash, provided a material guarantee could be given to those actually doing the business, that they should, under no circumstances, incur loss—the Companies Act, 1862, enables this guarantee to be given. The chief feature in the system is that, by the acceptance of a fixed limited responsibility, the same advantage can be secured (as well in respect of profits as with regard to voting at meetings, and exercising all the usual rights of shareholders) as if the amount guaranteed had been actually paid-up. The advantage of this must be obvious: the sum necessary to cover the amount guaranteed may remain in the guarantor's own control, invested (say) in Consols, and thus be earning dividends from the company at the same time, and in addition to the Government Three per Cent.

We have hitherto alluded only to such companies, "limited by guarantee," as are exclusively under the ninth section of the "Companies Act, 1862;" that is to say, where there is guaranteed capital only—where a company has both guaranteed capital shares will at all times (until all liability upon the shares subject to call has ceased by the payment of the full amount that can be called upon them) be in even greater favour than the working capital shares; because, as will be readily understood, the working capital shares subject to call has ceased by the payment of the full amount they subscribe, although even under the most adverse circumstances of a wind-up only propose,

THE COAL SUPPLY OF THE FRENCH IMPERIAL MARINE.

We have already noted (see Mining Journal of Feb. 13) the various points sought to be elucidated by the administration of the French navy with reference to the coal supply of the Imperial Marine. As the coal of each colliery, and even of each pit, was submitted to several experiments, the result is the collection of a great body of facts, which must be studied in detail in order to enable a precise idea to be formed of the complex properties which constitute what is called the quality of a coal. The experiperties which constitute what is called the quality of a coal. The experiments of the French Admiralty appear to give a great importance to agglomerates of menus or briquettes, and must stimulate their production. These, on being transported by railway to the ports, only experience a waste of 1 per 1000, while coal in lumps experienced a loss of 6 to 10 per 100. Again, piled up in heaps, agglomerates which have laid two years before being consumed—in the port of Algiers, for example—have preserved all their qualities, without experiencing any notable waste, while coal in lumps would have lost in the same time more than 50 per cent. Besides, the heating of boilers by agglomerates presents some special advantages; they contain little ash—4 to 7 per cent.—and, consequently, choke up furnace-bars to only a small extent, while they have a great homogeneity, so that heating operations are performed more uniformly and more surely by them. These advantages of agglomerates are precious ones for the French establishments, which have carried the fabrication to a much greater perfection than in England, and which in this regard are better in a position to satisfy the wants of the navy. The fabrication of agglomerates has, besides, another special advantage for French coal. A great deal of this coal, although burning very freely, and analogous in that respect to Newcastle, yet wants strength of fire, and has only a feeble calorific power as compared with Cardiff. But in the fabrication of agglomerates light coal can be mixed with coal less charged with gaseous matters, and the mixtures

though burning very freely, and naalogous in that respect to Newcastle, yet wants strength of fire, and has only a feeble calorific power as compared with Cardiff. But in the fabrication of agglomerates light coal can be mixed with coal less charged with gaseous matters, and the mixtures made in briquettes are found to be intimate and very superior to those which can be obtained with coal in lumps. Comparative experiments organised in the ports with regulation tubular boilers—that is, boilers of the same form and dimensions as those actually used on board French ships of war—have enabled French coal to be classed with precision with reference to English coal. To introduce some order into the comparison, it is necessary first to distinguish the French coal, which can be assimilated to Welsh (which is principally the coal of the departments of the Nord and the Pas-de-Calais), and that which can be compared with Newcastle—the coal of the Soöne-et-Loire, the Allier, the Gasl, &c.

The coal of the Loire, which is justly renowned for all industrial pursoses, holds a middle place between the two qualities for the heating of steam-boilers; and the basin can especially supply the forging coal and coke requisite in the workshops of the Marine, as its coal presents in this respect qualities equal to those of the best English coal. The Cardiff coal was recommended especially for its calorific power; and a series of experiments proved that it vaporised in the regulation boilers 8-16 to 8-30 kilogrammes of water for every kilogramme of coal (a kilogramme, we may repeat, is the fiftieth part of an English ewt.) The Anzin coal, tested in the same manner, vaporised 8-13, 8-43, and 8-75 kilogrammes, we may repeat, is the fiftieth part of an English ewt.) The Anzin coal, tested in the same manner, vaporised 8-13, 8-43, and 8-75 kilogrammes, in the details referring to other qualities of coal no inferiority was to be seen in the coal of the Newcastle basin, the direction of experiments as vaporisation ranging from 8-03 to 8-41 kil aboric occupied a initial place between Carain and Aewcasie, having given on a trial a result of 7.42 kilogrammes to 7.90 kilogrammes of water vaporised to every kilogramme of coal consumed.

vaporised to every kilogramme of coal consumed.

The Marine, in comparing these various descriptions of coal, was enabled to indicate that the qualities from the Loire, amply sufficient in respect of calorific power, would be both superior in their use to the coal of Cardiff and Newcastle, if they had not the inconvenience of being a little Cardiff and Newcastle, if they had not the inconvenience of being a little too sticky on the furnace bars, and requiring the frequent application of large pokers, a labour which has the double disadvantage of being fatigining for the stokers, and also of producing loss by the dropping of cinders. The problem of the attainment of a less great predominance of carbon than in Cardiff, and of a less-great proportion of gas than in Newcastle, without the coal being as "sticky" as the majority of the qualities from St. Etienne, was solved by the mixture of the dry and half rich Anzin coal with poor long-flamed coal from Blanzy. This mixture was so made that the bars did not find themselves exclusively covered by one or other of the qualities named, and the combination appeared to unite all desirable objects; its power of vaporisation was 7:27 to 7:38 and 7:50 kilogrammes. The laborious and conscientious studies instituted by the French naval administration have not only had the effect of giving the grammes. The laborious and conscientious studies instituted by the French naval administration have not only had the effect of giving the Government all possible security and independence as regards its supplies of coal, but they have besides had the advantage of giving confidence to

coal-workers, and stimulating their production by causing the real qualities of French coal to be appreciated. "They put a period in this respect," says the committee of French coalowners, "to the habit of reviling our products, and to the Anglo-mania preferences of which we have been so long the vectims."

It must be observed that the data given in this article are all French, and that we cannot be responsible for their accuracy. Assuming, however, that they are all correct, and that France can rely exclusively upon herself in supplying the combustible requirements of her Imperial marine, the English coalowners can afford to look on with unmoved equanimity. Our exports of coal have never absorbed only an inconsiderable proportion of our mightly production, and modest as the totals of the export movement are, they have been progressively extending of late. Thus in the fifteen yerrs ending 1862, the exports of coal, cinders, and culm from the United Kingdom attained the following dimensions:—

Tons.

Year.

Tons.

the United Kingdom attained the following dimensions:—

Year. Tons. Year. Tons. 1848 2,278,301 1856 5,879,779
1849 2,828,309 1856 5,879,779
1850 3,361,380 1883 6,529,481
1851 3,468,545 1859 7,006,949
1852 3,640,194 1860 7,231,835
1853 3,945,682 1861 7,855,115
1854 4,369,255 1862 8,317,913
1855 4,976,902

The figures for 1863 are not yet made up by the Board of Trade, but those for 1862, at any rate, show that although French coal was in that year exclusively used in the French navy, the exports of English coal, &c., were never so large. We have already explained our reasons for thinking why the course taken by the French Admiralty has practically been attended with no adverse influence upon the English coal trade.

MANUFACTURE OF IRON AND STEEL.

Two important inventions have recently been specified by Mr. Robert Mushet, of Coleford—the first consisting of a particular admixture of crude irons, to produce a superior finished article; and the second, in a process of poling the iron, in a manner somewhat similar to that practised in copper

of poling the iron, in a manner somewhat similar to that practised in copper smelting. The essence of the first invention consists in adding to melted iron or steel, obtained from melted pig-iron or cast-steel, decarbonised by the pneumatic process, a mixture of melted spiegeleisen with melted hematic pig-iron, or Swedish charcoal pig-iron, or other pure pig-iron from hematite iron ores, or in adding the said spiegeleisen and hematite and charcoal pig-iron separately, in order to improve the quality of the pneumatised iron or steel, and economise the manufacture.

The principal feature in the second invention consists in thoroughly mixing melted spiegeleisen, or other melted alloys of iron and other metals, with melted iron or steel, prepared by decarbonising melted pig-iron or cast-iron by the pneumatic process, by causing the streams of melted alloy and of the melted iron or steel to commingle and fall simultaneously into a heated ladle prepared to receive the said melted substances, and further to effect the said mixture, and render it more homogeneous, by means of and of the melted iron or steel to commingle and fall simultaneously into a heated ladle prepared to receive the said melted substances, and further to effect the said mixture, and render it more homogeneous, by means of the commotion and ebullition caused by forcing poles, or pieces of wood, beneath the surface of the said mixtures of melted alloy and iron or steel, or caused by forcing a blast of carbonic oxide, carbonic acid, or coal gas, through the said mixtures of melted alloy and iron or steel, whether contained in a heated ladle or in the pneumatic converting-furnace employed. He melts the spiegeleisen, or other alloy which it is intended to use, in an air-furnace, cupola, or melting-pots, so arranged that the spiegeleisen, converting the melted can be run off along a gutter, or can be otherwise conveyed, so as to fall or so as to be poured into a heated receptacle or ladle intended to receive the melted iron or steel from the pneumatic converting vessel simultaneously with the said melted iron or steel. When the melted iron or steel in the pneumatic converting vessel or furnace is ready to be poured into a heated ladle, he turns the said converting vessel on its axis, and commences pouring its contents into the heated ladle prepared to receive it. At the same time he commences pouring the melted spiegeleisen, or other melted alloy, from a ladle or from melting-pots, or he runs the said melted alloy along a gutter, so that the stream of melted iron or steel from the converting vessel, and the stream or streams of the melted alloy, may commingle and fall simultaneously into the ladle or receptacle heated to receive them. When the mixture of the melted spiegeleisen, or other alloy, and the melted iron or steel effected in the manner described is found on trial to be imperfect, and the ingots produced are, consequently, unsound and not sufficiently homogeneous, he effects the more intimate mixture of the said melted substances, by taking poles or pieces of wood, preferably dry, and thrusts them down to the

Pure Copper Paint.—A new pigment, calculated at the same time to increase the resources of the decorative painter, and to afford a ready means of preserving iron and other metals, has recently been introduced at Paris by Mr. L. Oudry, of the Auteuil Electro-Metallurgic Works. He first obtains an absolutely pure copper by throwing down the metal by the galvanic process; he then reduces the precipitate to an impalpable powder by stamping. This powder is then combined with a particular preparation of benzine, and used in the same way as ordinary paint; beautiful bronzed effects are produced upon it by means of dressing with acidified solutions and pure copper powder. The articles painted with the new material have all the appearance of electro-bronze, whilst its cost is less than one-sixth; it will last from eight to ten years. Mr. Oudry also proposes to substitute benzine oil for linseed and other oils, over which it possesses great advantages.

Lectures for Working Men—Metallurgy: Reduction of Iron From Its Ores.—Dr. Percy gave a lecture on this subject at the Royal School of Mines, Jermyn-street, on Monday. The ores made use of for the extraction of iron are the oxide and carbonate. The reduction is effected either by the use of carbonic oxide, or by the direct application of carbon at a high temperature. The Hindoos were workers in iron at a very early period, and the method they adopted is analogous to what is now used in England and Sweden at the present time. The lecturer now gave a description of the Catalan forge, which has been used for a long time in the Pyreness. A simple method of obtaining a blast is by a column of falling water; the only drawback is the moisture which accompanies this draught, thereby lowering the temperature of the furnace. Notwithstanding this, the method is still used in Spain, where the anply of water is abuddant. Reference was now made to the British blast-furnace, and the reduction of the ore was explained. The ore is mixed with coke and limeatone in alternate layers, and on the coke being ignited, a blast of air is injected into the furnace. Carbonic acid is the first product of combustion, this, on passing through the heated stratum, is resolved into carbonic exide, and when again regaining the state of the higher exide, reduces the ore to the form of cast-tron; the slag which accompanies the process floats on the surface of the metal, and is easily withdrawn. The cast from is rendered malieable by hammering, or by compression through rollers. The coid-blast formerly used is now superseded by the heated one, and an enormous saving is obtained in fuel. This improvement may be classed as one of those things which has influenced the destinies of mankind. Allusion was made to the economising of the fame which issues from the top of the furnace, by its application to the heating of boliers. In Sweden, charcal is used instead of coke in the reduction of the ores, and the irun is found to be superior, from the absence of

At the annual meeting for the election of officers of the London Association of Foremen Engineers, recently held at St. Swithin's-lane, City, Mr. Joseph Newton, of the Royal Mint, was unanimously, also for the sixth time, chosen as Praident. Mr. W. M. Oubridge, of Messra. Simpson's, Pimilco, was on the same occasion elected Vice-President of the association.

PATENTS.—It appears from some elaborate statistics compiled by Mr. G. Shane, of Birmingham, that the number of patents applied for in 1868 was 3309, against 3490 in 1862, 3276 in 1861, 3196 in 1860, 3000 in 1859, and 3009 in 1858. These figures display a curious regularity is the efforts of the inventive talent of the country. Of the patents applied for last year 34 referred to sewing-machine; 50 to wearing apparel and fastenings for the same; 31 to dressing and finishing woollen cloth and other woollen fabrics; 108 to warping and weaving machinery; 225 to balling, cleaning, and preparing cotton and other fibre; 20 to breaks, drags, and retarding apparatus; 32 to sheathing and preserving ship volutions; 75 to ship and boat building, ships fastenings, boits, and pins; 50 to power obtained from undefined and sundry elements and sources; 43 to furnaces, and furnaceriages; 47 to marine engines and propelling machinery; 32 to ateam-boilers and generators; 93 to steam-engines; 29 to anti-friction, composition, and arrangements; 53 to shot and projectiles, shot and powder cases, and fireworks; 43 to ordnance asignn-carriages; 32 to fire-arms; 28 to locks, latches, and fastenings for doors; 31 to nalls, boits, ecrews, nuts, and rivers for machinery; 21 to metaliurgical operations; 46 to sawing, planing, turning, and boring metals and wood; 38 to punching, dis-sining, stamplog, carring, and ornamenting metals; 24 for theming, separating, winnowing, and PATENTS.—It appears from some elaborate statistics compiled by Mr.

dressing grain, &c.; 32 for distilling apparatus; 30 for pumps; 29 for pipes and tubes for water, steam, and gas, and joints for ditto; 45 for cocks, taps, and valves; 85 for lamps, insterns, chandellers, and candlesticks; 30 for the generation of gas; 30 for warming and ventilating buildings, ships, carriages, &c.; 32 for stoves, grates, fire-places, and kitchen ranges; 58 for tunnels, bridges, arches, portable, and other-buildings; 23 for letter-press printing machinery, setting up and distributing type, &c.; 20 for baromoters, pressure-gauge, thermometers, and hygometers; 55 for telegraphs, and making signals, cables, &c.; 40 for working mines and raising minerals; 22 for reducing and smalting ores; 33 for iron manufactures; 25 for steel manufactures, &c.

THE GOLD FIELDS OF BRITISH COLUMBIA.

The discovery of America is truly one of the most important events in the history of mankind. The Spaniards, the first to make this great discovery, have also been the first to lose their possessions there, and Ragland is now the only European nation of all those who have from time to time sent colonists to the West that retains any great hold on that vast continent. From Newfoundland to Vanocuver's Island, right across North America, are our colonists scattered. The great unportance of these dependencies to the British Crown can hardly, at the produce of the dependencies to the British Crown can hardly, at the produce of the dependencies to the British Crown can hardly, at the produce of the section of the control of the section o

a vast tract of rich land.

Now, as to the gold, it is found not only along the banks and up to the very sources of the two main rivers and their tributaries, which we have mentioned, but also along the river terraces, which form a striking feature in the geological formation of those rivers. In the first subordinate chain of the Rocky Mountains, which forms the water-shed of the Fraser and Columbia Rivers, and known as the Snowy or Peak Mountains, will eventually be found the veins from which the alluvial gold on the table land has been derived. The great drawback to the development of the gold fields of British Columbia is the fact that the richest finds have been in the most inhospitable regions, and in regions where Europeans cannot rethe most inhospitable regions, and in regions where Europeans cannot remain during the severe cold of the winter. If, however, as we are told, there is an abundance of auriferous ground on Vancouver's Island, we shall, during the coming spring, witness a great rush to British Columbia. The accounts given by the correspondent of the Times of the riches of this, our youngest colony, were painfully exaggerated, yet, in the main, they were true, as is testified by the numbers who have left that country, hav-

ing acquired comfortable fortunes. Still in its infancy, British Columbia is one of our most promising, if not one of our most valuable, possessions, and offers a brilliant field to those who, temperate and thrifty in their habits, are willing to foreswear the temptations inseparable from life in a young colony. To such we can only say emigrate, and in British Columbia you will prosper beyond your brightest expectations.

FOREIGN MINING AND METALLURGY.

The abundance of orders increases in Belgium, and pig begins to feel the effects of the development communicated to the production of the rollthe effects of the development communicated to the production of the rollthe effects of the development communicated to the production of the products of which parting made 34, 4, 6, the base producted of which a visualization of the products of which and variations of the products of which a visualization of the roll of the products of which and variations of the products of which a visualization of the roll of the roll

and sea-risks, I per cent.; and interests, I-125 per cent.; making a total of 11-260 per cent. Thus, while Europe forwards to Mexico all the manufactured products which the present state of its civilisation demands, Mexico, by an inverse current, dispatchs to Europe the gold and silver which form the product of its mines. It will be seen, on recapitulating the preceding data, that in this movement the precious metals support expenses the total of which does not amount to less than 27-25 per cent. of the value of the products obtained. Such is the present state of mines in Mexico, and hence the inexhibitible mineral wealth of, the country finds itself now worked only on a small scale, and under unfavourable conditions.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

Feb. 18.—The Iron Trade remains much as it was. Orders are not at present coming in rapidly, but those on hand are of large amount, and there is the utmost confidence that present prices will be maintained, some looking for pressure at the end of the present quarter. One reason why buyers are just now holding back is probably that prior to the last advance of 1l. an actual rise of 30g. was, in numerous instances, acceded to; and the fact that the advance was only 1l. led, it is believed, to doubts as to the real state of the trade. From the advance in wages, pig-iron, and coal, it is certain that those who have to buy pigs and coal are making less profit than prior to the first advances, and this forms a strong ground for anticipating that the advance will last. The Hardware Trades are generally pretty good, and in some branches are brisk. The foreign demand is quiet. A strike of the men employed by Messrs. John Bradlev and Son (Mr. W. O. Foster, M.P.), at Stourbridge, has terminated. The strike was to compel the firm to employ three men who had been discharged. The Union gave their consent to the men returning to work, if they could get the consent of these three men. It is said that two consented, but that the third wanted 300l., and was offered 100l., to give his sanction. This appears to have been a case in which the Union stretched its authority unduly, but the matter is now arranged.

REPORT FROM DERBYSHIRE, YORKSHIRE, AND LANCASHIRE.

REPORT FROM DERBYSHIRE, YORKSHIRE, AND LANCASHIRE.

Feb. 18. — The Iron Trade is in a healthy condition, and, judging by the orders in hand, it is likely to remain active for a very considerable period. The orders from the Continent are, on the whole, exceedingly good, and very considerable quantities of machinery are being sent away weekly. The make of railway iron, and the trade in railway springs, is increasing weekly at Sheffield, until the make at one firm amounts to 150 tons per week. The Steel and Cutlery Trade is very active, and the orders given are increasing, and, with the spring, it is anticipated that the trade will be much greater. The Coal Trade is now permanently improved, and the demand for the London market is as great as it was before Christmas. The weather, too, is favourable to the demand, and the eastern markets are also buying largely. The South Yorkshire coalmasters are very full of orders, and the only difficulty is to find rolling stock to convey the mineral, as there is great scarcity of mineral wagons. The eminent firm of Messrs. John Brown and Co. is to be merged into a limited liability company, the present partners taking a large quantity of shares. The increasing demand upon the attention of the partners is such as to be more than can be borne by individual members.

A large tract of minerals has been purchased this week in the neighbourhood of Alfreton; and it is intended during the present year to build extensive works, which will afford employment to a large number of work-people, and which will be a great boon to North Derbyshire generally. Several pits are to be opened, blast-furnaces erected; and it is not at all improbable that a large forge will be built for the manufacture of iron; indeed it is certain that, with the new works at Pilsley, of the Claycross Company, and the new works here indicated, a new and important era will be developed in Derbyshire. Capitalists have been invited to build cottages in the neighbourhood, on very liberal terms; and as they can have their

REPORT FROM MONMOUTH AND SOUTH WALES.

REPORT FROM MONMOUTH AND SOUTH WALES.

Feb. 18.—Vitality is evinced in every branch of the Iron Trade, and the works in all parts of the district are in full employ. The reduction in the Bank rate of discount has, as might be naturally expected, had a favourable effect on the iron market, and, in fact, on all branches of trade. Speculation was the great cause of the rate going up to 8 per cent., and it is to be hoped that the restrictive measures of the Bank directors will put an end to that kind of trading for the future at lenst, except so far as is legitimate. It is a gratifying fact to record that there has been a complete absence of speculation in connection with the Welsh iron trade, and, therefore, the rapid and sudden changes on the Money Market have had but a slight effect on prices. The orders are coming in as well as might be expected at present, taking into consideration the time of the year, and there is no doubt entertained that buyers will, as usual, have large specifications to place out in the spring. Some buyers, it appears, have an idea that quotations are likely to recede before long, and, in consequence, they are holding back their requirements as long as possible. As far as South Wales is concerned, there is no probability of this being the case, for the makers are, as a rule, well placed with specifications, not only for a few weeks, but for months to come. What strengthens the opinion that quotations will hold their ground is the scarcity of hands, and the unsettled state of the puddlers, ballers, &c., as to the rise in wages to be received. Notices have been posted at nearly all the works, to the effect that another advance in wages will be given this month, and it is to be hoped that the same will be accepted without demur on the part of the men, and that no more will be heard of the chreatened turn-outs and strikes.

The coalmasters have their hands fall of business, and there is no lack of demand for both house and steam coal. The market is decidedly in favour of sellers, and the cur

wealthy ironmaster of Nant-y-Glo and Beaufort, and they are situated at the mouth of the Cwmarnan Valley, about a mile from the rising town of Aberdare. The works consist of three biast-furnaces, puddling-furnaces, &c., and it is one of the oldest iron-making establishments in the locality, and hitherto remarkably free from accidents. Everything went on as usual until Wednesday afternoon, when suddenly a tremendous report was heard, and in an instant the whole of the blast engine-house and the boiler shed were enveloped in steam, and rising in the midst of it were the forms of two huge boilers, which were carried away with a velocity terrible to witness. A flood of boiling water streamed from the boilers on the poor men who happened to be near, and one of the ponderous cylinders alighted on the from roof of the puddling-furnaces, and cryshed it as if it were made of waste paper. The ends of each boiler were blown out, and showers of broken metel and stones were hurded in all directions by the force of the explosion. The boilers were blown into the air at least 60 or 70 feet high, and in their rise they knocked the end of the engine-house, a massive building of stone, four story high, and the roof being deprived of half its support, gave way, and fell with destructive force upon the engine below. The scenes to be witnessed were heartrending in the extreme, and from the latest report, it appears no less than nine lives were lost, and elseven or twelve injured. The bodies in several instances were frightfully burnt and mutilated, and amongst the killed is the engine driver, and a son of Mr. Nayamith, the manager, was seriously injured. As to the

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probable amount of damaage, it would be difficult to give an accurate idea, but it is quite clear that it will be several thousand pounds, some say 10,000%. As to the cause of the accident, nothing has yet transpired to throw any light on the matter, and it would be more speculation to repeat rumours. It is to be hoped that the coroner (Afr. Overton) and the jary that will assemble will make a searching investigation into the circumstances of the catastrophe, in order, if possible, to find out the true cause, and adopt the necessary remedies in fature.

ABERIAMAN, FRIDAY, —One of the injured men has died, making the tenth fatal case. Seventseen are injured. The boilers had been in use for 18 years,

fatal case. Seventaen are injured. The boilers had been in use for 18 years, when the accident occurred neither the blast or mili engine were going, and it is sed that the engineer, who is among the dead, did not open the valves.

STANNARIES OF CORNWALL.

STANNARIES OF CORNWALL.

The quarterly sitting of the Stannaries Court for Cornwall and Devon commenced on Wednesday last in the Court at Truro, before the Vice-Warden, Mr. Edward Smirke, when the following motions were made:—BULLER AND BASSET UNITED MINES.—TALLACK v. BICE..—This was a creditor's petition, the plaintiff claiming that there had been owing to him, between two and three years, the sum of 201.0s. 11d., for services done on the mine. Mr Stokes for the plaintiff, now moved, on the usual affidiosits, for a decree for payment. Mr. Marrack, for defendant, consented.—Decree for payment in a week.

WEST PAR CONSOLS MINE—MURCHISON v. SULLIVAN AND OTHERS.—This was a purser's petition, and Mr. Marrack now moved on affidavits for decree for payment against the defendants J. Burgess, Jos. Braithwaite, Arthur Alien, Hy. Chard, Edward Grenville, the younger, S. B. Woolf, John Watson, Martha Walsh, J. A. Temple, John Robert Johnson, exceutors of the last will and testament of Robert Spinney, desceased; F. Mothren, T. W. Morris, James Hamley, W. Michell, and J. C. Henderson, of various sums ranging between 41. and 601. or 701., due from them as the proportion of costs on their shares in West Par Consola Mine down to the end of last year. Mr. Marrack explained that the chief object in applying for the decree was to enable them to sell the shares held by the defendants. Decree granted for payment in a week.

WHEAL FURSDON,—Mr. Marrack said that his Honour had made an order, dated Dec. 26, on the adventurers in this mine for the payment of a call, and he now moved for a peremptory order against various shareholders who were in arraer of their calls previous to the filing of the petition under the Companies Act, 1862. The amounts due from the defendants were large, one of them owing 2801. Order granted. SOUTH WHEAL CLIFFORD.—In the matter of the Companies Act, 1862. The amounts due from the defendants were large, one of them owing 2801. Order granted. SOUTH WHEAL CLIFFORD.—In the matter of the Companies Act, 1862. The

for winding-up.

T PROVIDENCE MINE.—Mr. Marrack made a similar motion in of West Providence Mine, in the parish of St. Just. The petition for windas presented by Mr. Wm. John Rawilugs, a creditor for 1651. Is. 5d., and also utory to the company. An smidavit of service of the petition, on Mr. William unsford, of 9, Broad-street Buildings, London, the purser, was read, and proof sertion of the usual advertisement given, after which the Vice-Warden made ired order.

o required order.

Wheal Cherry.—Mr. Marrack stated that this was a similar petition for winding-up the mine as the last; the petitioner, and the circumstances being the same. Mr. Rawings was a creditor and a contributory, the balance due to him being 3784. 6s. 7d. The machinery had been sold without applying for the authority of the Court, and a copy of the petition had been served on Mr. W. Painter, of Penia, Camborne. There was no oppo tition to the application, and the usual formal proof having been given, his Honour made an order for the winding-up of the mine.

REWARD FOR A MINER'S COURAGE.—At the Clifford Amalgamated Mines meeting, on Thursday, a reward of 51, was given to John Barratt, a miner in the employ of the adventurers, for his meritorious conduct in risking his life to save that of William Dunstan, a fellow miner, who fell away in Clifford engine-shaft, on Feb. 1, and was rescued by Barratt's courage and intrepidity in lowering himself by a rope, and diving into the water at the bottom of the shaft.

FOREIGN MINES.

FOREIGN MINES.

LAGUNA.—J. R. Rule, Jan. 9: The sinking of the shaft and other operations in the mine have proceeded with only the hindrance of three feative days during the past fortnight. The produce of the vein is much the same as previously, and we have now about 50 cargas of ore in stock.

EAST KONGSBERG.—D. T. Macdonald, Feb. 5: South Sundse: This mine has given a little schelderts this week of average quality; the vein averages 2 in in width.—South Ramsrud: In my report of Jan. 22 I stated that, from the quantity of arsenical iron and zinc blende which the vein contained, I felt confident we should soon come upon a deposit of silver. I have now the pleasure of informing you that my surmises were correct. In the stopes to the east of the gesink the vein has yielded silver, the like of which has not been found since this mine was taken up. Hitherto the silver cocurred only in patches or bunches in the vein, but at present it is disseminated through the whole length of the stope. Last month we drove a small cross-cut cast from the bottom of the sink, for the purpose of opening up the ground in that direction; and by stoping away the ground from the sole of this cross-cut we have come upon the deposit of silver. The stope is now bome to the forebreat of the cross-cut, consequently we must resume the driving of the cross-cut again. It is very satisfactory to find that the deeper we are the richer the vein is getting. According to the old reports, Anna Sophia Mine became poor when at the same depth na we are now in South Ramarud, but hitherto we have not seen any traces of the "undersitter," to which the ancients asteribed the falling off of that mine. Had we sunk perpendicularly, without following this band, as we are, eastward the vein continues argentiferous. I cannot help thinking that the ancients sank through the "er-band," and left it standing in the mine.—Middle Ramarud. Two will not be sinking in barren ground; but following this band, as we are, eastward the vein continues argentiferous. I cannot hel

Vinvreen have been very lacky this month. They have raised over 100 marks of native silver. The productive vein is only ½ in., or thereabout, in size, but filled up with silver—it is giving splendd results.

San Roque.—C. Remfry, January: San Estevan shaft has been sunk 7 vrs. 0 ft. 6 in., still continuing in old workings. We have not made great speed in sink-ling, being occupied in wailing, and thereby only being able to sink by night. The total depth of shaft is 20 varsa 1 ft. At San Francisco shaft the level east has been extended 22 vrs. 0 ft. 3 in., the whole length being, with few exceptions, in a productive lode, varying from ½ to 1 to nper fathom. In the present month we have got inte old workings, which come rather more than half way into the level, teaving the bottom 1½ to 2½ ft. high in a rich course of galean throughout in the bottom, varying from 6 to 9 in. solid. The end west of same shaft has been extended 11½ varsa; thefirs few varas continued, as in last month, productive, when the ground became harder and the lode gradually unproductive. In San Antonio's shaft we have extended levels east 2½ varus, and west 5 varsa 1 foot, both ends being in a productive lode, varying from 1 to 1½ ton per fathom. Reat, the lode at present is unproductive, but not without some promise; west, the level has holed in the present month to the winze that I mentioned in my last month's resport, and we are now continuing the same level west of said winze, in a promising lode. The clearing and outling down of the shaft (San Augustin), south-west of the productive, and of promising aspect, about 9 ft, in width, and worth ½ ton per fin. In San Jaun shaft we have sunk a wince east of sance, some 5 varsa deep; the first few varsa were productive, but the lode after that became unproductive, and we have decided to suspend operations in this shaft for the present. The rise above San Juan winze, in the 30 fathom level, west of No. 5 shaft, has been continued 3 varsa 6 ft. 9 in., having a total high of 29 ft. however the varin

THE TIN STANDARD.—No change has taken place in the standards of ores since our last; but the smelters are still inclined to exceed the fixed rates, which tin ores since our last; but the smelters are still inclined to exceed the fixed rates, which are as follow:—Common, 111s. to 112s.; refined, 112s. to 115s. No alteration whatever in metal. Common may be quoted at 116s., and rather dull of sale; and refined at 121s., with a fair demand. The tin standard is, however, in an unsettled state. There was a rumour last week that; it had been put up 2s. per ort, but this proved unfounded. One or two of the smelters gave a pound og two advance, but it was not sustained.——West Britism.

Meetings of Bublic Companies.

WHEAL TRELAWNY MINING COMPANY.

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profits, with the present price of lead, for a considerable time to come. We sampled least Saturday 55 tons of crop lead.—F. PRYOR, R. PATOR, T. GRENFELL.

The CHAIRMAN had much pleasure in placing before his fellow-shareholders such as satisfactory statement of accounts. During the quarter ending Dec. the sales of lead had realised over 5654£, which, after deducting the expenditure which had been incurred for providing additional plant, left a profit upon the quarter's operation of Sfat, out of which the committee felt themselves faily justified in recommending the declaration of a dividend of 15s, per share. This would leave a balance of 98£ to be carried forward to the reserve fund, increasing it to 1100£. This result was the more satisfactory when they recollected that the costs were brought up as close as it was possible. A SHAREHOLDER whished to know if they might look forward to increased returns? The SECRETARY stated that he did not feel himself justified in stating that the returns would be increased, although he could safely say that the average quantity lately returned would be maintained, which, cohsidering the quality of the ore, could not but be considered highly satisfactory.

Mr. SIMPSON asked if the statement which appeared in the Mining Journal last week, to the effect that the lead realised only 22½, 1s. 6d. per ton, was not incorrect?——The SECRETARY replied that, owing to a typographical error, the amount was stated to be "22½, 1s. 6d.," whereas it should have been 29½, 1s. 6d.

A SHAREHOLDER enquired if the committee considered the report just submitted was as encouraging as those lately published?——The SECRETARY did not see that the report was less satisfactory, and stated that their manager was sometimes over-caulious in what he wrote, which he (the secretary) thought was the case with regard to the report just read.

The report was ordered to be entered on the minutes, and the accounts passed and

ort just read.
The report was ordered to be entered on the minutes, and the accounts passed and lowed.—A dividend of 16s, per share was declared.—The usual complimentary otes terminated the proceedings.

PORTUGAL IRON AND COAL COMPANY.

Anextraordinary general meeting of shareholders was held at the Londor Tavern, on Tuesday,—Mr. George Frederick Young in the chair.

Tavern, on Tuesday,—Mr. GEORGE FREDERICK YOUNG in the chair.
Mr. H. L. Morgan (secretary) read the notice convening the meeting.
The CHAIRMAN stated that His Majesty the King of Portugal had confirmed the arrangements which had been made by the company for the purchase of the rights of Mr. Croft, as the concessionaire; and the object of the present meeting was to obtain the assent of the shareholders to the decree which the company had obtained, showing the conditions under which the company was recognised by the Portuguese Government. One condition of the concession was that it should be ratified by the shareholders within two months after the decree was obtained.

The SECRENTAY read the decree referred to, which was as follows:—

Like King, bereky make known to those to whom this my Letter Patent shall come.

Portuguese Government. One condition of the concession was that it should be ratified by the shareholders within two months after the decree was obtained.

The Exchartar read the decree referred to, which was as follows:—

I, the King, hereby make known to those to whom this my Letter Patent shall come, that having had under consideration that which was represented to me by George Frederic Young, in the capacity of president of a mercantile company established in London, and which is denominated the Portugal Iron and Coal Company, the Intention of which is to work ten mines of iron, coal, and lignite, situated in the district of Leiria, whereof George Croft is the original concessionaire; having seen the documents by which it is proved that the said company was registered in conformity with the lawa that in England govern the anonymous companies or companies or ilmited responsibility in the public register of joint-stock companies, having seen the documents by which it is proved that the subscription of shares already effected is considered sufficient for commencing the labours of working the said mines; having seen the decree of the 31st of Dec., 1882, and the regulation of the 9th of Dec., 1883; anthy seen the opinions of the Adjutant of the Attorney-General of the Crown, attached to the Minister of Public Works, Commerce, and Industry, I am willing to permit that the said company, whose statutes are issued with this letter patent, signed by the President of the Council of Ministers, the Minister, and Secretary of State for Foreign Affairs and provisionally of the Public Works, Commerce, and Industry, and consist of ninety-two articles, preceded by a memorandum, may establish in Portugal an agency or commission, which may act in the name thereof on the following conditions:—1. That the representatives of the said company and resident in Portugal, shall assign a bond, by which they do declared, in the name thereof on the following conditions:—1. That the representatives of the rora, and shall be consideral.—2.

eventual stamp and receipt on the 22d of December, 1863; and, in corroboration of that which is stated, this goes signed and sealed by me with the seal of the royal arms, and with that of the public cause. Given in Paco on the 13th of January, 1864.

(Witness) DUKE of LOUE.

The CHAIRMAN said the practical business which this meeting had to dispose of was the ratification of the document just read; but before the question was put he should be glad to answer any question that shareholders might wish to ask. The resolution to be submitted, and which he would put from the chair, was as follows:—"That the assent of this company be, and the same is hereby, given to the conditions on which the decree of Ills Majesty the King of Portugal, dated Jan. 13, 1864, is granted for allowing the company to carry on its operations in the kingdom of Portugal."

Mr. Whight thought, according to the terms, that the king, at his own discretion, possessed absolute power to put an end to the decree.—Mr. Maples (the solicitor) explained that the power referred to was unquestionably possessed, but that it could only be exercised in the event of the company failing to conform to the laws of Portugal.

The CHAIRMAN said it was one of the necessary powers always reserved by the sovereign of any country, in the event of the non-fulfilment by a company of the engagements into which it had entered.—Mr. Whight understood the decree to state that the king possessed discretionary power of withdrawal in the event of the company operations being incompatible with the public interests.

The Hon. J. L. O'SULLIVAN (one of the directors), who had resided in Portugal for many years, said that the terms referred to were but a mere formality, and meant nothing more than salus populi superma®ex. The king reserved the right of withdrawal more than salus populi superma®ex. The king reserved the right of withdrawal more than salus populi superma®ex. The king reserved the right of withdrawal the company's operations being antagonistic to the public interests

more and more conclusively the soundness of the basis upon which the undertaking rested. It was an undertaking which had the sympathy and practical assistance of the Government. Every fact which came to the knowledge of the directors tended to confirm that the concessions which the company had obtained contained mineral in quantities of a most promising description, which cannot fall to produce a most valuable result, with reference both to coal and from. Having commenced with a great deal of care, the first step the directors took, before expending any money, was to engage the services of a gentleman, in whose practical knowledge of mining, particularly with reference to coal and from, the utmost reliance could be placed. Having made their selection, the directors/sent out a gentleman to Portugal to assiduously enquire into all the elementaries of the contained of the company was formed. The manager was now making all the arrangements for the company was formed. The manager was now making all the arrangements for the erection and cetablishment of all the works necessary for the production of those metals which they wished to obtain. He might also mention that the company had the co-operation of gentlemen of the highest respectability in Portugal, as members of the board. Is short, on the part of his co-directors and himself, they entertained a great and well-founded condence, although he should be very sorry to hold out a too flattering prospect upon that which, after all, was subject to contingency—that the directors did believe that when they met the proprietors at a more advanced stage in the company's existence these would be submitted to them the most unanswerable proof of the success of the undertaking, for there could not be the shadow of a doubt, if the affairs were conducted with prudence, the anticipations would not be belied by the results.

Mr. O'Sultavas aid this undertaking was, unquestionably, one of a most promising character, for the amount of evidence upon which the prospects and operations r

ENGLISH AND AUSTRALIAN COPPER COMPANY.

ENGLISH AND AUSTRALIAN COPPER COMPANY.

The ordinary general meeting of proprietors was held at the London Tavern, Bishopsgate, on Thursday,—Mr. R. A. ROUTH in the chair.

Mr. C. B. Rogers read the notice convening the meeting, and the report of the directors, an abstract of which has already appeared in the Mining Journal, was taken as read.

The Chairman stated that during the year they had received from the Burra Burra 2538 tons of ore, and had smelted 2850 tons; the copper made during the period was 2334 tons, and the average price, as stated in the report, had been 97t. 18s. 6d., being 10s. 5d. in excess of the price of the preceding year. The depression in the copper market, which began in 1881, had continued for two years, but since Dec. last there had been two important rises, the result being, that whilst in 1861 copper was only 88t, per ton, the price was now 116t. He stated this because the directors did not wish to take credit for that over which they had no control, yet the shareholders would understand it was difficult for directors to manage a large concern like theirs during such long continued adverse circumstances. He had the gratification to tell them that he had mover placed so favourable a report before them as that now presented. They had worked at a profit during the period of depression, and the present dividend was fairly carned. The contract with the Burra had been renewed for three years; in some instances it was more favourable to the Burra Company, but against this they had the consideration that the coat of carriage and coal was considerably cheaper. They had received during the past year 5000t, worth of ore from other companies, and during the first few months of the current year that amount had been considerably increased: they could treat from 16, 60 to 20,000 tons without inconvenience, and all the works were in good position. The Chairman concluded by-formally moving the reception and adoption of the report. — Mr. Spencer Heraparn seconded the motion.

A Sharkenolder so been w

BEARIZ TIN STREAMING COMPANY.

The annual meeting of proprietors was held at the company's offices, Sise-lane, City, on Thursday,—Mr. John Walker in the chair.

Mr. Alex. Strachan (secretary) read the notice convening the meeting.

The report of the directors, which was taken as read, stated that, in ad-

Sise-lane, City, on Thursday,—Mr. John Walker in the chair.

Mr. Alex. Strachan (secretary) read the notice convening the meeting.

The report of the directors, which was taken as read, stated that, in addition to the extensive works at San Miguel proper, preparation has been made for the erection of stamps, as follows, viz.—At San Guillermo (San Miguel group), 1 set, 24 heads; San Adole group, 1 set, 24 heads; San Adole group, 1 set, 12 heads. With the exception of the San Francisco group, the whole may be in working order within six months from the time when it is thought desirable to send out the requisils machinery. At San Francisco a rather long adit is required, which will take considerably more than six months to drive it into the bed of kaolin. Although the company of the proprietors to be informed that this altogether of the nett value of about 1800l. had been raised and put into stock up to the send of December last. Capt. Bray, in his letter of the 18th uit, states that the rains had set in, and that there was a plentiful supply of water, and the stamps in full work. Of the mines at Corpino, the directors continue to receive very encouraging and satisfactory accounts. The resolutions which were passed at the special general meeting of the company, on the 18th uit, creating 10,000l.

The Charmara had but little to add upon this occasion to that which he stated at the special general meeting of the directors. Since that meeting two further seporal prompts of the proprietors and the stamps in full work. On the fliction with the sample general meeting on the 18th hinst. This increased capital, along with its other resources, the directors believe will be sufficient to work out efficiently all the company's objects.

The Charmara had but little to add upon this occasion to that which he stated at the special general meeting, held on the 18th uitmo, when he submitted to the proprietors and the facts within the knowledge of the directors. Since that meeting two forther reports from the mine had been receive

confirmed. Mr. B. Lewis was elected director. Mr. Henry Croysdill, the retiring auditor was re-appointed.

The resolutions passed at the last meeting, increasing the capital of the company by the creation of 10,000 five per cent, preference shares, of II. each, were confirmed.

A Fromeron had much pleasure in proposing that the best thanks of the meting be accorded to the Chairman and directors for their continued attention to the company interests, and for having undertaken to perform their duties gratuitously until theorim pany was in a remunerative condition.

The resolution having been duly seconded, was put and carried unanimously.

The Chairman acknowledged the vote, and stated that, although their exertions had not yet reaped their reward, and which the prospects of the mine led them to expectitill he firmly believed in the uklimate success—and great success—of the company. At

the same time, looking at the difficulties which had unexpectedly arisen in the past, and been more or less already surmounted, he was prepared to expect even more formidable difficulties in the future; yet, with the assistance of the additional capital, he felt convinced that satisfactory results would accrue to the shareholders.

The proceedings then terminated.

LITERARY NOTICES.

This week has been completed and delivered to the subscribers one of the most coulty, heantiful, and elaborate illustrations of Art ever yet chromolishing probability executed in this country. There is no great mixing in claiming for it that coult is controlled to the control of the country. There is no great mixing in claiming for it with a country. There is no great mixing in claiming for it with the country of the count

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THE PRESENT CONDITION OF GEOLOGICAL SCIENCE.—An interesting and thoughtfully written pamphlet, entitled "Remarks upon the Present Condition of Geological Science," by Mr. G. E. ROBERTS, has just been issued through Mr. Van Voorst, of Paternoster-row. After carefully considering the various portions of his subject, he observes that the broad features of geological history, as at present accepted, are, no doubt, approximately true; but this is the utmost we are justified in believing. The many elements in the scheme, of which we know but little, added to the data which are missing, make a tolerably good reason why we should-decline to pin our faith unalterably to any scheme of geological history, or to any hypotheses derivable from the facts at present ascertained. For what is the natural value of our harvest? We have scratched the surface here and there, and described a rock miles in depth, and hundreds of miles in area, from a dozen hand specimens: we have called rocks azoic because we have not succeeded in finding organic remains in a part of

them which probably represents less than a millionth of their bulk: and we have laid down the generic value and numerical proportion of life in ancient seas from a chance discovery of some local spot in their area, wourable, or the severes, for the preservation, doned. Such facts should be carefully garnered into the barras of the science; they may serve hereafter to decreate the editice of geology; but we shall find better atoes than these for the bailding of it. Let us be patient for awhile, and satisfy curselves with the seconsilation of facts.

A Week's WANDERINGS IN CORNWALL AND DEVON.—An interesting little volume under this title has recently been issued (through Mr. Bingham the second passing an ide bour to anyone visiting the same locality. Mr. Millis has carefully collected all he decended calculated to excite a laugh, and by this means, in combination with his intermination power of summines, he has produced a look that is likely with a touch that's scarcely felt or seen," and to those we do not hesitate to say that Mr Millis's book will be a most wiscone offering.

OUR INDIAN EMPERE—THE LAND QUESTION.—A pamphlet, containing the reprint of a valuable series of articles on the Land Question, from the Tisses of India, has just been issued. It is justly remarked that it is by far the most important question that can engage the attention of Indian statesmen of the present day. Upon its right determination depends, so far as mm can see, the fitture prosperity of unnumbered millions of our race, as mm can see, the fitture prosperity of unnumbered millions of our race, as mm can see, the fitture prosperity of unnumbered millions of our race, as mm can see, the fitture prosperity of unnumbered millions of our race, as mm can see, the fitture prosperity of unnumbered millions of our race, as mm can see, the fitture prosperity of unnumbered millions of our race, as man can see, the fitture prosperity of unnumbered millions of our race, as man can see, the fitture prosperity of unnumbered millions of our race, a

Locomotive for Steep Inclines.—A new locomotive is to be introduced on the railway from Bologna to Florence. This engine, which is to be employed on the precipitous portion of the line which skirts the valley of Ombrone, was constructed by MM. Petiet and Beugniot, and has four cylinders and 12 wheels. The furnace possesses an corromo surface, being double that of the locomotives in general use. The weight of M. Petiet's locomotive, with a supply of 8000 kilogrammes of water and 2000 kilogrammes of coal, is only 59,700 kilogrammes, and the load on each axle is at most 10,700 kilogrammes. Ten locomotives have aircady been constructed on this system. They have been repeately tried during the last two months, and have been found to perform well. An experiment was made between Chauny and St. Gobain on Jan. 21 with a train which carried 100 passengers and merchandise, altogether 257,000 kilogrammes. It is said that a company has praposed to the French Government to construct a railway over the Simple on condition of receiving a certain grant. The company propose to employ locomotives on that road with four cylinders and twelve wheels. If it be proved that it be possible to cross the Alps by rail without a tunnel, the locomotive of M. Fetiet, with the articulated system of M. Beugnoit, will have greatly contributed to its success.

COMPETITION DISTANCED BY MILES.—We understand that the 16s. trousers supplied by Mr. Alfred Webb Miles, of 73, Brook-street, Hanover-square (by whom they were originated) are far superior to those obtained of any of his numerous imitators, and that his customers ensure better value for their money in the various departments of his trade as a tailor than they are likely to get elsewhere. It may be well onto the haddress (73, Brook-street, his only place of business), as he formerly resided in Bond-street.—Observer.

in Bond-street,—Observer.

HOLLOWAT'S OINTMENT AND PILLS — RELIABLE REMEDIES.—In wounds, burns, sprains, glandular swellings, enlarged veins, neuralgic pains, and rheumatic tortures, the application of this soothing ointment to the affected part not only gives the greatest ease, but likewise cures the complaint. The pills generally promote the curative action of the ointment. Both remedies may be safely used by the most inexperienced nurse; they should find a place on every toilet, and in every nursery. They successfully supersede the use of all dangerous cosmetics, and render the skin soft and silky. It is unnecessary to expatiate further upon the excellence of Holloway's ointment and pills, whose merits have kept them so long before the public, and secured for them universal approbation.

MR. JOHN BATTERS, STOCK AND MINING SHAREBROKER, 13, THROGMORTON STREET, LONDON, E.C., pays particular attention to British Lead, Copper, and Tin Mines, for which he solicits orders to sell or buy, at nett prices.

Mr. BATTERS can recommend one or two mines safe for an early rise of 100 per cent.; reliable information afforded on application.

SELLER of 5 Brynford Hall, £15; 20 Central Minera; 60 West Trevelyan, 2s. 6d. Parties would do well to apply to Mr. BATTERS as to buying or selling Central Minera shares.

MR. C. H. ANDREWS, STOCK, SHARE, AND
MINING BROKER,
7, CROSBY HALL CHAMBERS, BISHOPSGATE STREET, E.C.

7, CROSSI HALL CHAMBERS, BISHOFGUATE STREET, E.C.,
ANDREWS' "Stock Exchange Evening Prices and City Financial Circular" contains
an epitome of the day's transactions in the English Funds, Foreign Stocks and Bonds,
Raliways, Joint-Stock Banks, Miscelianeous Shares, and Mines.
ANDREWS' "Daily Circular" also contains particulars of the movements in Builton,
variations in the Foreign Exchanges, and impartial accounts of the Money and Discount
Marketz.

MR. THOMAS CARTHEW, MINING OFFICES, 12, BUCKLERSBURY, LONDON, E.C. Reliable information respecting mining generally can be obtained by applying as above. Bankers: Robarts, Lubbock, and Co., 1δ, Lombard-street, London.

MINING OFFICES, 28, PRINCESS STREET, MANCHESTER. LEIGH, MOLYNEUX, AND CO., MINE AGENTS AND SHAREBROKERS, BUY and SELL SHARES OF EVERY DESCRIPTION, on ommission or for nett cash.

Office of the Hazael Grove Silver-Lead Mining Company (Limited), JAMES LEIGH

CARDIGANSHIRE MINING OFFICES

MESSRS. WILLIAMS, BRAY, AND CO. beg to inform their mining friends and the public generally that, in consequence of the numerous applications and requests they have received, they now UNDERTAKE the INSPECTING and REPORTING on MINES.

The several members of the firm having had many years' experience in mining in all the breakers in the best ways are an experienced.

ING and REPORTING on MINES.

The several members of the firm having had many years' experience in mining in all its branches is the best guarantee of their ability in such matters; and they trust that, by carefully examining the mines they visit, and faithfully reporting thereon, and by constantly watching the progress of both old and new undertakings, they will be able to supply a want that has been greatly felt in the district, and give every information and advice that may be required.

OFFICES, 44, MARINE TERRACE, ABERYSTWITH.

TO SPECULATORS.—Mr. HALSE, the writer of the letters signed "A Cautious Man," is always in a position to recommend a few good dividend mines; also one or two mines where the shares are selling at a few shillings each, and in which the chances of a good rise are very great. A capitalist with about £5000 could make 20 per cent. of his money if he would not as Mr. HALSE would recommend.—Address, Mr. HALSE, Sharedealer, 28, Threadneadle-street, City.

C H A R L E S D A V E Y A N D C
ST. HELEN'S JUNCTION, LANCASHIRE,

THE BERWYN SLATE RANGE, COUNTY OF
MONTGOMERY, NORTH WALES.—TO BE DISPOSED OF, a VALUABLE
SLATE QUARRY, or part thereof.—Terms, and all information, can be received from
H. P. M., Owrs, Eaq., C.E., Liangyong, Oswestry, until the 14th of March; afterwards,
to Capel 8t. Garmon, near Llanrwst, North Wales.

CREAT WESTERN DEEP COAL COMPANY (LIMITED)—
THE EAST PANT DU UNITED LEAD MINING COMPANY (LIMITED).—
Shares in the above established companies can be obtained of Geo. Northernort, C.E. and Surveyor, Festiniog, North Wales.

GLAMORGANSHIRE.

GLAMORGANSHIRE.

TO COAL MASTERS AND CAPITALISTS.—TO BE LET, a CAPITAL SEAM of BITUMINOUS COAL (open to inspection), nearly 8 feet thick, entirely above level, and all other the level free seams of coal, under a property (nearly 400 acres), within 500 yards of a public railway (recently opened), giving direct access to the shipping port, which is within an easy distance. As these seams of coal will be worked by level, without pits or engines, but a small outlay is requisite. They consequently offer a most advantageous investment.—Apply to W. Browner, Eaq., Kildwelly, Carmarthenshire; or to L. GRIFFITHS, Eq., Ynisygerwn, near Neath.

COAL MINES TO LET, BALLYLEHANE, two miles from Athy rail and canal station. STATUARY WHITE MARBLE QUARRY TO LET, at GARTAN, county DONEGAL. STEATITE and LEAD MINES, on the same property.—Apply to the proprietor, J. G. ADAIR, Esq., Monastereven, Irsiand.

Same property.—Apply to the proprietor, J. G. Adair, Eq., Monastereven, Ireland.

ULM.—TO BE LET, the RIGHT to WORK the CULM
VEINS on the LANDS of GLENCOLLINS UPPER, GLENCOLLINS LOWER, and KING WILLIAMSTOWN, county Cork. The culm has every indication of prime quality, and capable of being easily worked, and from the position of the ground the courses would be solf-draining into the River Biackwater. A most extensive market exists, that is now necessarily obliged to draw a surply from the Dromagh and Lisnacon Collieries. The mere expense of carriage and loss of time in distance must be a serious item to consumers, who, from the central position of this place, would gladly avail of obtaining culm here if raised. The roads are excellent, and the recently discovered veins of culm, when opened, would be most conveniently situated, just off the high road from Mailow to Trailee, nearly midway between each place. The Shinagh Railway Station is distant six miles. A company under the Limited Liability Act could be formed if deemed advisable.—Apply to Nichotas DUNSCOMBE, Eq., King Williamstown House, King Williamstown, county Cork.

RONSTONE.—TO BE LET, ON LEASE, a VALUABLE BED of IRONSTONE, immediately adjoining a railway station.—For pa-ticulars, apply to Mr. Howand, the Grange, Desborough, Rugby; or to Messrs. Lindsay, Mason, and Fisher, solicitors, 84, Basinghall-street, City.

WANTED, for PENHALLOW MOOR MINE, an ENGINE from 55 to 60 in. cylinder.—Description and price to be sent to Mr. Edward Michell, purser of the mine.—Dated Truro, February 10, 1864.

WANTED, in a COLLIERY in the NORTH of ENGLAND, a PARTNER, with a capital of £3000. The colliery is situate near to a large manufacturing town, and easy access for shipment of coals. There is a good demand for the coals. Satisfactory reasons can be given for requiring a partner.—Apply to "X. Y. Z.," Letter Box 120, Post-office, Newcastle-upon-Tyne.

WANTED, an EXPERIENCED MANAGER for a SLATE QUARRY, who thoroughly understands the Welsh language. It is desirable that he should have a knowledge of the general character of the slate veins of North Wales. He must be thoroughly competent to superintend excavations and tunnelling, as well as the manufacture of all descriptions of slate. Satisfactory testimonals as to character, qualifications, &c., will be necessary.—Address, "Z. A.," care of Street Brothers, 11, Serie-street, Lincoln's Inn, London, W.C.

WANTED, a GENTLEMAN with a few hundred pounds, to
JOIN the ADVERTISER in OPENING OUT a VERY PROMISING
SILVER-LEAD MINE. Assay, 42 czs. of silver per ton.—Address by letter, Mr. H.
MCCORMICK, Bull Hotel, Dale-street, Liverpool.

SITUATION WANTED, by a MINING CLERK, who has had great experience in copper, lead, and tin mines. Unexceptionable references.—Address, "W. R. P." MINING JOURNAL office, 26, Fleet-street, London, E.C.

TO CAPITALISTS.—WANTED TO BORROW, TWO THOUSAND POUNDS for THREE YEARS, at 6 per cent. per annum, for which ample security will be given on the lease and plant of an excellent colliery.

-Apply to "A. B.," 60, Fawcet-street, Sunderland.

TO CAPITALISTS.—The PROPRIETORS of a COLLIERY in full work, and now producing upwards of 100,000 tons of the best bituminous coal per annum, are DESIROUS of DISPOSING OF the LEASE they hold. The quantity now worked may be doubled without extra expense, if required. The property is situated within 15 miles, by rail, of the port of Cardiff.—Particulars may be obtained of D. RANDALL, Esq., solicitor, Neath.

TRON AND TIN-PLATE TRADES.—MOST ELIGIBLE SITE, with water-power, and a clear stream for tin-plate purposes. Extensive canal frontage, close to railway station and siding. Coal abundant and cheap. Near Newport, Monmouthshire.—Apply to Mr. Thos. Thomas, land agent, auctioneer, &c., Neath, Glamorganshibile.

THE IRON TRADE.—A GENTLEMAN, who has had the sole management of ironworks for many years, is now OPEN to an ENGAGEMENT. He is fully converant with the raising of coal and iron ore, the erecting of works, and the manufacture of iron in all its braushes and details, and in the conduct of the correspondence and sales, and can give the most satisfactory references and testimonials of ability and character.—Address, "B. Y.," Minus JOURNALOffice, 28, Fiest-street, E.C.

TO IRON MASTERS, IRON SHIPBUILDERS, E.C.

THO IRON MASTERS, IRON SHIPBUILDERS, E.C.

ENGINEERS, &c.—BY PRIVAVE SALE, on the RIVER TYNE, FORTYEIGHT ACRES of FREEHOLD LAND, in the parish of WALLSEND. It is unsurpassed for situation, having a large and deep water frontage to the river, and is intersected by the Tynemouth branch of the North-Eastern Railway. There is a large mansion house, cottages, offices, &c., on the ground, clay for brickmaking, &c.—For particulars, apply to Mr. J. THOMPSON, 5, Dean-street, Newcastle-upon-Tyne.

TO IRON MANUFACTURERS.—A PARTY in GLASGOW, who has an extensive connection, and who could influence a large trade with Clyde shipbuilders, DESIRES a FIRST-CLASS AGENCY for ANGLE and T-IRON, SHIP and BOILER PLATES, and SHEET IRON, or for any of these singly—Address, "M. A. C.," care of Messrs. Anderson and Watt, 64, Buchanau-street, Glasgow.

TO MINE ADVENTURERS AND OTHERS.—A MINE, which has made important returns of ore, and is of a peculiarly eligible character, together with the MACHINERY and MATERIALS thereof, TO BE DISPOSED OF on liberal terms. The concern would only require a moderate capital.—Apply to Messrs. PAULL and LINTON, solicitors, Plymouth and Kedruth.

TO INVENTORS AND PATENTEES.—A GENTLEMAN having an extensive connection with manufacturers, merchants, and others, would be GLAD to UNDERTAKE the Salte of INVENTIONS or PATENTED ARTICLES, on commission.—Apply to Mr. Rawle, padent office, 14, Clare-street, Bristol. N.B.—Continental and foreign agencies solicited.

TO BE SOLD, BY PRIVATE CONTRACT, in one lot, a FIRST-CLASS 70 in. cylinder CONDENSING PUMPING ENGINE, engine-house, engine bed and foundation, steam and vacuum gauge, shear legs, with pulleys and ladders, capstan and rope, double action crab, and set of plunger pumps.—For price and particulars, apply to Wharton and Sons, engineers, Chesterfield.

FOR SALE, 194 in. FORCING PUMP, 14 in. LIFTING PUMP, HAND PUMPS, pumping crank, lifting screw, pit chain, and other collery material.—Apply to Mr. John Farles, Nallsea, near Bristol.

HORIZONTAL ENGINES FOR SALE, at very low prices:—
One 12 in. cylinder, 24 in. stroke; one 12 in. cylinder, 36 in. stroke; and two
14 in. cylinders, 24 in. stroke. All ready for delivery, and may be had with er without
fly-wheels.—Apply to Messrs. E. Page and Co., Laurence Fountney-place, Laurence
Fountney-hill, Cannon-street, E.C.

CENTRAL GRYLLS MINING COMPANY (LIMITED).—The directors hereby give notice that the SHARE LIST of this COMPANY is RE-OPENED, and that applications for shares will be received at the offices of the company.

By order, HENRY RHODES, Sec.

MR. BRENTON SYMONS, M.E., WILL BE IN CORNWALL
UNTIL the END of FEBRUARY. Orders for inspections or surveys of mineral
N.B.—Orders for lithographed copies of maps, &c., must in every instance be sent to
18, Hatton-garden, E.C.

TAMES H. COCK, MINE SHAREBROKER AND DEALER,
REDRUTH, CORNWALL.

J. H. Cock, having had 10 years' experience in the mining market, and being thoroughly
equalized with mines and their management, is in a position to advise or do business
on the most advantageous terms. Cash or time bargains promptly attended to.

TO INVESTORS.—CONSULT MR. GRIFFITH, 27, LEADENHALL STREET, LONDON, E.C., who ADVISES as to the RESPECTABILITY, VALUE, and PROBABLE PROSPECT of SUCCESS of ANY SCHEME, PUBLIC COMPANY, &c., whether already established or in course of for-

MONEY.—CONTRACTORS and OTHERS can be WILKINSON and Co., monetary negociators and arbitrators, &c.,—Apply to Messra. hill, London, E.C.

A SSAYS AND ANALYSES OF EVERY DESCRIPTION
Conducted by JOHN MITCHELL, F.C.S., M.G.A. (late Mitchell and Rickard)
Author of "Manual of Practical Assaying," "Metallurgical Papers," &c.
All communications and samples to be addressed (free) to Mr. MITCHELL, care of Mr.
P. Clay, 29, Great St. Helen's, London, E.C.

OUTH AUSTRALIAN MINE AGENCY.—MR. J. B. AUSTIN, Author of the "Mines of South Australia," has COMMENCED BUSINESS in ADELAIDE as a MINE AGENT and SHAREBROKER, and will be happy to furnish detailed reports on any of the mines, and to give the fullest and most reliable information respecting them.—Address, Mr. J. B. Austin, Adelaide, South Australia,

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THE MARITIME INSURANCE COMPANY (LIMITED). rated with limited liability, under the Companies Act, 1862, Capital £1,000,000, in 100,000 shares of £10 each. se, 50,000 shares, instead of 25,000 shares, as before announce Deposit on application, £1 per share. Further payment on allotment, £1 per share.

Further payment on allotment, £1 per share.

DIRECTORS.

WILLIAM HARRISON, Eaq. (Messrs. Harrisons and Latham)—C
FRANCIS BOULT, Eaq. (Messrs. Boult, English, and Brandon).
ALEXANDER DURANTY, Eaq. (Messrs. A. Duranty and Co.)
W. H. HAYNES, Esq., Merchant.
PATRICK HUNTER, Esq. (Messrs. Browne, Hunter, and Co.)
GEORGE B. KERFERD, Esq. (Messrs. Geo. B. Kerferd and Co.)
PETER MAXWELL, Eaq., Merchant.
P. M. MILLER, Esq. (Messrs. Miller and Mosman).
WILLIAM NICOL, Esq., Morchant.
DANIEL POWELL, Esq. (Messrs. Daniel Powell and Co.)
T. HARRISON RIDLEY, Esq. (Messrs. Hidley, Son, and Co.)
J. BARKELEY SMITH, Esq. (Messrs. Hidley, Son, and Co.)
(With power to add to their number.)

MANAGER AND UNDERWRITER—Henry Case, Esq.

BANKERS.

The National Bank of Liverpool (Limited).
The National Bank, Old Broad-street, Londa And its branches in Ireland.
The Union Bank, Manchester.

The Union Bank, Manchester.
BRIOKERS.
Henry Walker Lucas, Esq., 3, Copthall-buildings, London, E.C.
Geo. Edwd. Schuitz, Esq., danchester-buildings, Tithebarn-street, Liverpool.
Edward Fox, Esq., 51, Dame-street, Dublin.
Frederick Fielder, Esq., Cross-atreet, Manchester.
Charles Boult, Esq., 38a, 8t. Ann's-square, Manchester.
Audprona—Messrs. Harmood, Banner, and Son.
Solicirons—Messrs. Littledale, Ridley, and Bardawell.
TEMPORARY OFFICES,—4 and 8, BROWN'S BUILDINGS, LIVERPOOL.

NOTICE.—WEDNESDAY NEXT, the 24th of February, 1864, is the LAST DAY non which APPLICATIONS FOR SHARES may be made. Forms of application for shares may be obtained from the brokers, and also at the emporary offices of the company, 4 and δ , Brown's-buildings, Liverpool.

THE CORNWALL BLASTING POWDER COMPANY beg to announce to the consumers of supporter that the company beg to announce to the consumers of gunpowder that, their extensive mills and premises being now completed, they are PREPARED to SUPPLY their PATENT BLASTING POWDER in LARGE or SMALL QUANTITIES.

It is considerably LIGHTER THAN ORDINARY GUNPOWDER, and being equal in strength, bulk for bulk, a SAVING of ONE-FOURTH of the COST is EFFECTED. It creates but a small amount of smoke, thereby occasioning little delay to operations

At Graces out a summand of a size of the state of granite quarries, where it is desirable to rotect the stone from being broken into fragments.

It DOES NOT BECOME DAMP or WASTEFUL by exposure to the atmosphere, and none of the component parts being of a nature subject to decay, it requires to be dealt with simply as ordinary gunpowder, although it will be found practically UPWARDS of TWENTY-FIVE PER CENT. CHEAPER.

St. Alien Powder Mills, near Truro, February, 1864.

BERYSTWITH FOUNDRY COMPANY (LIMITED).—
This company's extensive FOUNDRY and FORGE WORKS are NOW in ULL OPERATION. MACHINERY and CASTINGS of EVERT DESCRIPTION will be EXECUTED with ACCURACY and DISPATCH, under the care of Mr. MOMAS STOOKS, from Messrs, HARVEY and Co., Ironfounders, Hayle, Cornwall. FULL PRICES will be GIVEN for OLD CASTINGS, SCRAP IRON, and BRASS, slivered at the company's works, opposite the railway station, Aberystwith.

THE WEST CLIFFORD UNITED TIN AND COPPER MINING COMPANY (LIMITED).

uant to the Joint-Stock Companies Act, 1862, by which the liability he shareholders is limited to the amount of their shares. of the shareholders is limited to the amount of their shares.

Capital £30,000, in £000 shares of £5 each.

10s. to be paid on application, and 10s. ont i totment.

BANKERS—Alliance Bank, Lottbury.

SOLICITOR—James Bell, Esq., Abchurch-lane.

AUDITORS.

Mesers. Cooper Brothers, Public Accountants, George-street, Mansion House.

Mesers. Field, Son, and Wood, 9, Warnford-court, Throgmorton-street, London, E.C.

Kerr. Anderson, and Brodie, 132, St. Vincent-street, Glasgow.

Ligh, Molyneux, and Co., 28, Princess-street, Manchester.

John Gledhil and Co., Corn Exchange, Leeds.

Luke Arnold and Co., Small-street, Bristol.

MANAGER—Thomas Cooper Smith, Esq.

OPEICES. 5, WARNFORD COURT. THEOGMORTON STREET, CITY.

OFFICES,-5, WARNFORD COURT, THROGMORTON STREET, CITY.

The object of this company is to work the Ting Tang, West Ting Tang, South Ting

Tang, and Wheal Moyle setts.

This extensive property is situated in the south-eastern declivity of Carn Marth Hill, bounded on the east by the celebrated Clifford Amalgamated Mines, the county cross-course being the boundary or division of the two setts, and in the centre of the most productive group of copper mines in Cornwail. The following extracts from a paper by R. Hunt, Esq., F.R.S., on the Mineral Wealth of Cornwall, will show the immense returns made by some few only of the mines in this district, at a period when the mining interests had not the facilities for working mines they now have. It appears from these extracts that nine mines returned, from the year 1815 to 1850, 1,298,722 tons of ore, of the value of £8,035,990. The whole of the lodes, so rich in the mines referred to, traverse the Ting Tang sett, or are to be found parallel north or south within three quarters of a mile.

of a mile.

The granite dipping south-east forms a junction with the clay-slate in the north-west part of the setts, which also contains several cross-courses (the principal of which is the great county cross-course, being the eastern boundary), where the junction of strata occurs, and where the lodes intersect the cross-courses, the great deposits of the Gwennap district have been found, some making in the granite, others in the clay-slate, as the following summary will illustrate:—

monowing animinally will imper	2000		
In Granite.	Dividends.		Dividends.
Tresavean		Great Consols and Utd. Mines	£1,199,828
Beauchamp Buller			
Penstruthal		Unity	
Jewell		Maid	
Damsel			
Gorland			50,000
Treskerby			
Trethellan			- 1
Travially Darrier	01,000		

of ore, and west of the shaft this lode has a most extraordinary appearance; it is 13 few ride, composed of gossan, and letting out large quantities of warn water. This gossan is regarded by the miners of the district as the back of large deposits of copper formed in the granite beneath.

The prospects of the West Clifford United will bear comparison with any progressive mine in the county. It is surrounded by rich mines. It contains many and productive looks. It is intersected by several cross-courses and elvans. In it a junction of strata occurs. It has yielded large dividends. It is in comparative infancy. All the shafe and levels are in good repair. All necessary buildings are erected on the mine. It can be forked in a short time, and at a limited expense; in fact, it contains all the elements of success. To develope the West Clifford United Mines it is proposed to sink Roache's engine shaft under the 110, from 20 to 40 fms. deeper, to reach the level from which such profitable returns have been made in the neighbouring mines.

Before this depth is attained it is with strong reasons expected the next three lodes south will be together in the shaft; at this point important discoveries are anticipated. It will also be necessary to extend the cross-cuts to intersect the south lodes, which in the mines lying cast—viz., the Wheal Clifford, Amaigamated, Nanglies, and others. The lates proprietors left the works in good condition, with the surface buildings in their proper places; this will be a naving of many thousands of pounds, and much valuable time to the company. The railway passes through the mine, by which ail ores and materials can be conveyed at the cheapest rates.

The negorits are from men of long practical experience and a full knowledge of the district. Their testimony as to the highly promising character of the property, and the great local advantages by which it is surrounded, will be read with interest, and the great local advantages by which it is surrounded, will be read with interest, and the g

ompany has entered into a most favourable arrangement for the purchase of perty for £10,000, and the vender has consented to take half in cash and half in These terms embrace a lease for 21 years, on highly favourable terms; the

benefit of the work already done, the engine and other machinery upon the mine, the plant, houses, materials, &c., which are estimated at great value.

The capital of the company is fixed at £30,000, in 6000 shares of £5 each, but from attimates made by those who have reported upon the mine, a much less sum will place it in a profitable state.

A considerable proportion of the capital has been subscribed for; the directors will proceed with the works as soon as they deem a sufficient number of shares has been applied for.

ed for.

ms and sections of the property, with specimens of ore from the mines, may be seen
a offices of the company, where prospectuses, additional reports, and every inforon may be obtained.

plications for shares to be made in the annexed form to the bankers, brokers, and
uger at the office of the company.

FORM OF APPICATION FOR SHARES Shares £5 each. Deposit on application 10s. per share, and 10s. on allotment. To the Directors of the West Clifford United Tin and Copper Mining Company (Limited)

THE WEST CLIFFORD UNITED TIN AND COPPER MINING COMPANY (LIMITED).

**Sotice is hereby given, that the LIST OF APPLICATIONS FOR SHARES in this company will CLOSE on the 24th inst.

By order,

By order, THOMAS COOPER SMITH, Manager,

In the Court of Chancery.

PURSUANT to an ORDER of the HIGH COURT OF PURSUANT to an ORDER of the HIGH COURT OF CHANCERY, made in a Cause Chase against the Wilderg Great Consolidated Mining Company, the PERSONS ENTITLED to the NETT PROCEEDS of the SALE of the WILDBERG MINES, SMELTING WORKS, and PROFERTY, being the or debenture holders (first series) of the above-named company, issued pursuant to the provisions of the deed of the 10th day of October, 1856, are, by their solicitors, on or before the 1st day of March, 1864, to COME IN and PROVE THEIR said BONDS at the Chambers of the Master of the Rolls, Bolls-yard, Chancery-lane, Middlesex.

Tuesday, the 8th day of March, 1864, at Two o'clock in the afternoon, at the said Chambers, is appointed for hearing and adjudicating upon the claims.

AMORY, TRAVERS, AND SMITH, 25, Throgmorton-street, Plaintiff's Solicitors.

Dated this 6th day of February, 1864.

In the Court of Chancery.

VICE-CHANCELLOR WOOD AT CHAMBER VICE-CHANCELLOR WOOD AT CHAMBERS.

IN the MATTER of the JOINT-STOCK COMPANIES
WINDING-UP ACTS, 1843 and 1849, and of the JOINT-STOCK COMPANIES
WINDING-UP AMENDMENT ACT, 1857, and of the SOUTH LADY BERTHA
COPPER MINING COMPANY.—By direction of the Vice-Chancellor Sir William Page
Wood, the Judge of the High Court of Chancery, to whose Court the winding-up of this
company is attached, notice is hereby given that the said Judge will, on Thursday, the
10th day of March, 1864, at Twelve o'clock at noon, at his Chambers, No. 11, Newsquare, Lincoln's Inn, in the county of Middlesex, PROCEED to MAKE a CALL on the
several persons who have been settled on the list of contributories of the said company,
and that the said Judge purposes that such call shall be for SEVEN SHILLINGS AND
SIXPENCE PER SHARE.
All persons interested are entitled to attend at such day, hour, and place, to offer objections to such call.

R. P. HARDING, 5, Serle-street, Lincoin's Inn, Official Manager.

R. P. HARDING, 5, Serie-street, Lincoin's Inn, Off WM. J. BARRETT, 8, Bell-yard, Doctor's Common Dated this 17th day of February, 1864.

Dated this 17th day of February, 1898.

REEHOLD OF NINE AND A HALF ACRES, with NUMEROUS BUILDINGS, and two chimney stalks, at 8t. Helen's, with canal and railway communication, FOR IMMEDIATE SALE. The above freehold property, until lately occupied by the St. Helen's Altail Company, with an extensive area of sheds and other substantial buildings, also two chimnies of 330 and 250 ft. respectively, are well adapted for petroleum works and stores, copper or iron works (the latter especially, as there are about 300,000 tons of crocus waste, containing from 20 to 40 per cent, of iron, on the ground), or for any manufacture where canal and railway communication is important.—Application to view to be made to Mr. Huches, on the premises, St. Helen's, Lancashire; or particulars of George Noakes, Esq., 184, Gresham House, Old Broadstreet, London. A STEAM ENGINE of 28 horse power FOR SALE.

THE DIRECTORS of the REAL DEL MONTE AND PACHUCA MINING COMPANY, MEXICO, have DECLARED TEN DIVIDENDS of TWO HUNDRED AND FIFTY DOLLARS each upon each share, Nos. 106 to 115, corresponding to the past year of 1863. Shareholders residing in England will please apply to Messrs. C. DS MURRIETTA and Co., No. 7, Adam's-court, Old Broad-street, City, E.C.

SANTA BARBARA GOLD MINING COMPANY (LIMITED).—Notice is hereby given, that the HALF-YEARLY MEETING of shareholders, in conformity with the Deed of Association, will be HELD at the offices of the company, 52, 53, the Albany, Liverpool, on FRIDAY, the 26th instant, at Two o'clock F.M. In consequence, however, of the sudden and severe illness of the secretary, the balance-sheet cannot be prepared in time for presentation; it is intended, therefore, to adjourn the meeting to an early date in March.

Liverpool, February 17, 1864. C. F. CARNE, Chairman of the Directors.

MONTES AUREOS (BRAZILIAN) GOLD MINING
COMPANY (LIMITED). - Notice is hereby given, that the THIRD ORDINARY GENERAL MEETING of shareholders will be HELD at the London Tavern,
Bishopsgate-street, in the City of London, on TUESDAY, the lat of March, 1864, at
Half-past Two o'clock'precisely.
The share register of the company will be closed from Wednesday, the 24th February
to Tuesday, the lat March, both days inclusive.

By order of the Board,
38, Broad-street-buildings, February 20, 1864.

JUSTINIAN PELLY, Sec.

THE GREAT DEVON AND BEDFORD (COLCHARTON)
COPPER MINING COMPANY (LIMITED).—Notice is hereby given, that is
GENERAL MEETING of the shareholders of this company will be HELD at the
London Tavern, Bishopsgate-street Within, on FRIDAY, the 26th inst., at One o'clock

ly, celve the directors' report and audited statement of the affairs of the cor

To receive the directors report and manner statement of the company of the company.

To determine upon making a call of 5s, per share, and generally to transact any other business of the company.

In addition to the highly satisfactory results obtained upon intersecting the lode in the 20 fm. level (already reported), another lode has been discovered at the Chenhall shaft, at a depth of 28 fms. 3 ft.

By order, H. BROOK, Sec. 11, Tokenhouse-yard, London, E.C., February 18, 1864.

ahaft, at a depth of 28 fms. 3 ft.
11, Tokenhouse-yard, London, E.C., February 18, 1864.

THE SOUTH WALES COLLIERY COMPANY
(LIMITED).

The liability of each shareholder is limited, by the Act of 25 and 26 Vict., cap. 89, to the
amount payable upon the shares held by him in the capital of the company.
Capital \$290,000, in 8000 shares of \$25 each.

10s. per share to be paid on application, £2 on allotment.
Calls not to exceed £2 10s. per share, nor to be unde at intervals of less
than three months.

CRAWSHAY BAILEY, Esq., M.P., Newport—CHAIRMAN.
R. W. RENNARD, Esq., M.P. (Messrs. R. W. Kennard and Co.)—Depus-Chairman.
R. W. RENNARD, Esq., M.P., Ghessrs. R. W. Kennard and Co.)—Depus-Chairman.
R. W. RENNARD, Esq., Share, Newport—CHAIRMAN.
Hon. S. P. VEREKER (Director South Staffordshire Railway Company).
W. CHALLIS, Esq. (Sir J. Pirle, Bart., and Co., Birchin-lane).
T. GRATTEX, Esq., Banker, Newport.
W. B. GREENFIELD, Esq. (Director Pernambuco Railway Company).
LAWRENCE HEYWORTH, Esq., Jun., Yew Tree, Liverpool.
THOMAS BROWN, Esq., Hardwick House, Chepstow (late of Ebbw Vale), Director of the Great Western Railway Company.

(With power to add to their number.)
BANKERS—The Consolidated Bank, Fenchurch-street, E.C.; Messrs. Crawshay Bailey and Co., Newport.

Soliciton—George Rooper, Esq., 26, Lincoin's Inn-fields.
BROKERS—Messrs. Joshua Hutchinson and Son, 16, Angel-court, Throgmorton-street.
AUDITORS—Edward Cheshire, Esq., Bank of Egypt, Old Broad-street, E.C.; Cornelius Walford, Esq., Endeld.

SECRETARY (pro tom.)—James J. Wallis, Esq.
OFFICES,—No. 16, CANNON STREET, E.C.
PROSPECTUS.

Secretary (pro tom.)—James J. Wallis, Esq.

OFFICES,—No. 16, CANNON STREET, E.C.

This company is formed for leasing or purchasing coal fields in the South Wales basin, and working the collieries for export and home consumption.

The great and increasing demand for South Wales coal, both at home and abroad, for steam and other purposes, presents a most favourable opportunity for commencing and prosecuting a large and profitable business.

The Board of Trade reports shows that the exports from South Wales in 1862 amounted to 2,378,971 tons. The returns for 1863, when published, will show a great increase. Nearly a fourth part of the total exports of the United Kingdom is from the ports of South Wales. The quantity thus exported is equal to that from Newcastle and Sunderland respectively.

The coal now being supplied to the Ports of Cardiff and Newport is utterly inadequate in quantity to meet the present demand, which is progressively increasing, and it has become a matter of serious consideration how the future demand is to be met, seeing that the commercial marine of the world is rapidly changing from sailing to steam vessels, whilst the working of foreign railways, which has only lately commenced, will necessitate exports on a vast scale.

The great value of the South Wales coal, for steam and all other purposes, is too well known to need explanations here, and great success is attending all well-regulated and cardial workings. The present extraordinary demand has raised the average price from 8s. to 11s. or 12s. per ton, the present official pricess.

The company has secured, on advantageous terms, a lease for 50 years of extensive seams of coal in the barrony of Abergavenny, identical with and forming portion of those now worked with great success by the Blaenavon Company and other coalowners.

The company proposes to commence operations.

From the actual experience of adjacent collieries working the same seams, it has been proved that the coal can be raised and delivered in trucks on the railway, including Copies of the Articles of Association may be seen at the offices of the company, 12th February, 1864.

FORM OF APPLICATION FOR SHARES.

FORM OF APPLICATION FOR SHARES.

To the Directors of the South Wales Colliery Company (Limited).

GENTLEMEN,—Having paid to your bankers the sum of £ , hereby request that you will allot me shares in the South Wales Colliery Company (Limited), and I hereby agree to accept such shares, or any less number that you may allot me, and request you to place my name on the register of members for the number of shares allotted

THE SOUTH WALES COLLIERY COMPANY
(IIMITED).

NO LONDON APPLICATIONS in this company will be RECEIVED AFTER
MONDAY, 22d inst., and not later than TUESDAY, 23d inst., from the COUNTRY.

By order of the Board.

In the Court of the Vice-Warden of the Stannaries.

IN the MATTER of the COMPANIES ACT, 1862, and of the GREAT NORTH TOLGUS MINING COMPANY (LIMITED).—TO BE SOLD, by direction of the Registrar of the said Court, BY PUBLIC AUCTION, to be holden on Wednesday, the 2d day of March next, at the Registrar's Office, Truro, at Twelve o'clock at noon, subject to such conditions as shall be then and there produced, all that be INTEREST of the said COMPANY of and in a certain INDENTURE of GRANT or MINING SETT, dated the 5th day of January, 1860, for the term of 21 years, by virtue of which the mining operations of the said company have for some time past been carried on. The mine may be inspected at any time prior to the sale, and further particulars may be obtained of Messrs. HODGE, HOCKIN, AND MARRACK, Solicitors, Truro. Dated Truro, this 16th day of February, 1864.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and in the MATTER of the CORNUBIA TIN MINING COMPANY (LIMITED).—Notice is hereby given, that a PETITION for the WINDING-UP of the ABOVE-NAMED COMPANY was, on the 13th day of February inst., presented to the Vice-Warden of the Stannaries, by Samuel Owen Rattenbury, a shareholder and contributory of the sald company, and that the said petition is directed to be heard before the Vice-Warden, at the office of Winslow Jones, Eaq., solicitor, Exeter, on Monday, the 29th day of February inst., at Twelve c'clock at noon.

Any contributory or creditor of the company may appear at the hearing and opposes the same, provided he has given at least two clear days' notice to the petitioner, his solicitors, or agent, of his intention to do so, such notice to be forthwith forwarded to P. P. Smith, Eaq., secretary of the Vice-Warden, Truro.

Every such contributory or creditor is entitled to a copy of the petition and affidavit verifying the same, from the petitioner or his solicitors, within 24 hours after requiring the same, from the petitioner or his solicitors, within 24 hours after requiring the same, on payment of the regulated charge per folio.

Affidavits intended to be used at the hearing, in opposition to the petition, must be filed at the Registrar's office, Truro, on or before Satarday, the 27th day of February Inst., and notice thereof must at the same time be given to the petitioner, his solicitors, or agent.

(Solicitors for the Petitioner). N the MATTER of the COMPANIES ACT, 1862, and in the

(Solicitors for the Petitioner)
JOSEPH ROBERTS, Truro
(their Agent).

Dated February 16, 1864.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the SOUTH CLIFFORD UNITED MINING COMPANY.—By an order made by his Honour the Vice-Warden of the Stannaries in the above matter, dated the 17th day of February inst., on the petition of Octavius Ommanney, a contributory of the said company, it was ordered that the said SOUTH CLIFFORD UNITED MINING COMPANY should be WOUND UP, under the provisions of the Companies Act, 1882.

R. W. CHILDS, 29, Coleman-street, London (Solicitor for the Petitioner).

JOSEPH ROBERTS, Turo (Agent for the said Solicitor).

IMPORTANT MINE SALE.

TAMAR CONSOLS LEAD MINE, BEERALSTON, in the COUNTY of DEVON. TAMAR CONSOLS LEAD MINE, BEERALSTON, in the COUNTY of DEVON.

N. R. HENRY WILLS WILL SELL, BY PUBLIC AUCTION, on Tuesday and Wednesday, the 14th and 15th days of March, 1864, the whole of the MACHINERY, PLANT, and STORES belonging to and on the said MINE, comprising ONE 50 in. cylinder ENGINE, with THREE BOILERS; ONE 14 in. cylinder ENGINE, ONE BOILER; about 260 fms. of pumps: plunger lifts complete, 7%, 8, 9, and 10 in.; drawing lifts complete, 7, 8, and 18 in., &c.; steam capstan, 14 in. capstan rope, 1500 fms. rail iron, bail, angle, and other bobs, rods and strapping plate, shears, 8 tons of chain, FOUR WATER-WHEELS, 2 crushers, 4 stamps, axles with lifters, &c., complete, brass, lead, and wrought scrap iron, 14 round buddles, shaking tables, iron and steel, miners and smiths' tools, 500 fms. launders, large quantity of useful timber, with all the machinery, &c., usually found in a well-appointed lead mine.

Catalogues will be ready on the 1st of March next, at 6d. each, to be returned to purchasers, and may be had of the Auctioneer, at his office, 143, Union-street, Plymouth.

For further information, application may be made to the manager, Mr. James Wolferstan, Valletort Villa, Plymouth, or to the auctioneer.

PAGE BANK AND SPENNYMOOR COLLERIES SALE.

DAY OF SALE ALTERED.

M. R. CHARLES BROUGH WILL SELL BY AUCTION, at the Queen's Heal Hotel, Fligrim-street, Newcastle-upon-Tyne, on Tuesday, 15th March, 1864 (not on the 29th March, as previously announced), at Twelve for One o'clock precisely, in the following Lots, and subject to the conditions and in such order as shall be produced and determined at the sale.

Lot 1.—The important and well-known current-going collery, called PAGE BANK COLLIERY, including the extensive tract of the South Brancepeth Coal Royalty, held and worked therewith, containing together 1571 acres, or thereabouts, situate in the parishes of St. Andrew Auckland and Brancepeth, in the county of Durham, with all the COKE-OVENS. And, also, the COLLIERY PLANT of ENGINE-HOUSES, ENGINES, MACHINERY, LIVE and DEAD STOCK, WAGON-WAYS, and other the PROPERTY and EFFECTS belonging or attached to the COLLIERY.

Lot 2.—All that current-soles collery, comprising a royalty of 690 acres of the seam of coal called the Harvey Seam, in the township of Merrington, in the said county of Durham, known as the SPENNYMOOR COLLIERY, with all the COKE-OVENS belong to the co. litery, and the ENGINE-HOUSE, ENGINES, MACHINERY, LIVE and DEAD STOCK, and all the singular and other the COLLIERY PLANT and EFFECTS in and about the same.

DEAD STOCK, and all the singular and other the collection of the manufacture of coke, which is not the same.

The coal had from these collieries is chiefly adapted for the manufacture of coke, which is of the first-class quality.

The collieries are being disposed of by order of the directors of the West Hartlepool Harbour and Railway Company, and such of the produce therefrom as shall be vended by sen or on land will be restricted for transit and shipment to that company's railway, so far as the same will extend, and the shipping places connected therewith, the rates for the leadings and shipments being regulated on such terms as shall be agreed on with the respective nurchasers.

Each purchaser may on completing his purchase exercise the option, if so desired, of Each purchaser may on completing his purchase exercise the option, if so desired, of Each purchaser may on completing his purchase exercise the option, if so desired, of Each purchase exercise the rate of £5 percent, per annum, at such dates, and on giving such security, as shall be mutually agreed on.

Particulars, containing the rents, terms, and provisions of the leases, and agreements under which each colliery, and the premises occupied with the same, are respectively held, and also the conditions of sale, may be had on and after the 17th February inst.; and further information obtained on application to Mr. WILLIAM Answirsons, Colliery Viewer, Vingate Grange, Ferryhili; Mr. George WILLIAM SOUTHERN, Colliery Viewer, Chilton Hall, Ferryhili; or Mr. TIPLADY, Solicitor, Durham.

Durham, 10th February, 1864.

VALUABLE MINERAL PROPERTY IN SOUTH WALES, WITHIN A MILE OF AN IMPORTANT SEAFORT TOWN.

MESSRS. DEBENHAM AND TEW SON are instructed to DISPOSE OF a FREEHOLD MINERAL ESTATE of 210 acres (the surface being fine pasture and arable land), with the MINERALS under 230 acres more adjoining, consisting of the best bituminous coal, of which a portion is now let at a royalty of 1s. per ton, and five seams are yet untouched. To capitalists, or a compassing out of the develope its resources, the estate is calculated to be a most lucrative investment. Reference can be given to an eminant local surveyor (who is well acquainted with the property) as to its capabilities.—Further particulars at the Estate Offices, No. 80, Cheapside.

SALE OF A FOUNDRY.—In consequence of bankruptcy declared, the dissolved joint-stock company of the Bentheim-Lingen Mineral Bank and Foundry Society is forced to SELL, BY PUBLIC AUCTION, the ALEXIS FOUNDRY together with its APPURTENANCES, formerly possessed by the society above mentioned, with the especial privilege the society is possessed of, of getting the ore within the district of the Court of Nucenhaus, and within that of the former Court of Lingen. The Alexis Foundry is situated in the county of Bentheim, kingdom of Hanover, distant about seven miles (English) from the railway station Lingen, in the midst of the swamp ore in this piain, which is renowned by its good quality, copiousness, and coming forth in Pulic.

tant about seven miles (English) from the railway station Lingen, in the midst of the swamp ore in this plain, which is renowned by its good quality, coplousness, and coming forth in holk.

The FOUNDRY is joined with the railway and the navigable River Ems by a good canseway, and contains a HIGH FURNAOE, newly built, and constructed in a solid manner, and a SMELTING HOUSE very well regulated. The high furnace is constructed for the use of charcoal and peat, and a massive terrace for the mouth (Giehtenthurm), with a hydraulic windiass, and an engine for taking up the gas is annexed to it. The beliows, with a separated STEAM FUMY, THREE great BOILERS, and a MACHINE for VENTILATING, are also sufficing for a second high furnace. The foundry is made complete by a machine for warming the wind by gas stoking, by the best engines for roasting the peat and refining and calcining the ore, and finally by railways leading to all the mines of the black ore.

The SMELTING HOUSE, with appurtenant shops, is supplied with DRYING ROOMS, CRANES, and good TOOLS, and has performed already the most important commissions of materials for buildings, and is fit for fabricating many articles of commerce. TWO CUPOLA FURNAGES prevent stopping the business of the foundry when the high furnace is to be repaired, or very weighty casting works are to be performed. The pig-iron is excellently fit for casting works of every kind.

The most favourable contracts make the foundry capable of getting the black ore for a very long time, granting the foundation of a most profitable business even in unfavourable junctures of time.

The smelting by peat, by degrees more increasing, the neighbourhood of the turf mor (distant from the foundry and capability of contraction (contractionsfahigkeit), accessible already by a savigable canal, grant an assurance of brilliant times to come to the foundry.

The area of the foundry contains nearly 46 acres, 5½ acres of which are covered with

ocessible already by a savigable canal, grant an assurance of brilliant times to come to the foundry.

The area of the foundry contains nearly 46 acres, 5½ acres of which are covered with different buildings almost new, partly creeted in massive stonework, partly in wooden stalks, filled with brick or clay walls.

The wages are cheap, for partly a race of proper workmen are to be got in the neighbouring villages, partly a ground property is hired by contract for many years, to establish a workmen colony, to which arabic land may be assigned.

The public sale of the foundry, with appurtenances, to the most bidding term, is fixed for Friday, the 18th day of March, 1864, at Ten o'clock in the morning.

Persons inclined to buy are invited to appear at the appointed hour, in the Judgment Chamber of the undersigned Court of Justice.

More detailed descriptions, and inventory of the foundry, the deeds and contracts, &c., appertaining to it, and the stipulations of sale, may be known in the clerk's room of the undersigned Court of Justice, and of the trustes in bankrupt's estate of the Benthelm-Lingen Society, Curator, Advocate, Notary, Senator Zunsande, in Lingen; and may also be got by copy, if the costs are repaid.

The dirigent of the foundry, Mr. Welchenen, at Wietmarschen, near Lingen, is inclined to give nearer account on the business of the work.

Royal Court of Justice, Section II.,

SUDENDORF,

Lingen, on the 12th day of November, 1863.

THE GLAMORGAN IRON ORE COMPANY (LIMITED).

Capital £40,000, in 8000 shares of £5 such.

Deposit, 10s. on application, and 20s. on allotment.

Thirty days' notice of calls, which will not exceed £1 per share.

Registered under the Companies Acts. Each member's liabilities limited to the amount of his subscription.

DIRECTORS.

amount of his subscription.
DIRECTORS.

JOSEPH ATWELL, Esq., 13, Campden Hill Vilias, Kensington.
JAMES BANCKS, Esq., 32, Buckiersbury, and Broxbourne.
D. HOUGHTON, Esq., Newhall-street, Birmingham; and Fforchdwm, Neath, South WILLIAM HUTCHINSON, Esq., Carrick on Shannon.
HENRY PHILIPPS, Esq., 10, Buckingham-gate, St. James's Park.
WILLIAM GIBSON, Esq., 40, Broad-street-buildings.
WILLIAM GIBSON, Esq., 40, Broad-street-buildings.
BANKERS—The Alliance Bank of London and Liverpool (Limited), Lothbury.
SECRETARY (pro tem.)—Mr. Fullwood.
TEMPORARY OFFICES,—41, LOMBARD STREET, LONDON.

This company has been formed for the purpose of purchasing a long lease of and working a very valuable deposit of argillaceous from ore.

Full prospectuses and forms of application for shares can be obtained from the secretary at the offices of the company, where also samples of the iron ore can be seen.

THE GLAMORGAN IRON ORE COMPANY (LIMITED).—
Notice is hereby given, that the directors of the above company have entered into arrangements for the construction forth with of the necessary works for bringing the into arrangements for the construction, the contractor (a thoroughly responsible person) has guaranteed to the shareholders interest at the rate of 6 per cent. per annum. By order.

THE GLAMORGAN IRON ORE COMPANY (LIMITED).—

Notice is hereby given that, in consequence of the pressure of applications for shares in the company, the directors will meet to consider them, and apportion the various allotments, on Tuesday, March 8. All applications for shares must, therefore, be sent to the brokers or secretary, on or before Saturday, March 5, 1864.

Temporary Offices, 41, Lombard-street, London.

By order.

OUELLYN SLATE QUARRY COMPANY (LIMITED).

WORKS, CARNARYON, NORTH WALES.
Capital £20,000, in 4000 shares of £5 each. Deposit, 10s, per share on application, and 10s, on allotment.

Calls, £1 per share, at not less intervals than three months.
Incorporated under the Joint-Stock Companies Act of 1862, limiting the liability of each shareholder to the amount of the shares allotted to him.

First issue, £12,000. No less number than five shares will be allotted.

DIRECTORS.

Mr. WILLIAM GARFORTH, Hallfax.
Mr. ALFRED BANCROFT, Hallfax.
Mr. JAMES BAIRSTOW, Hallfax.
Mr. JAMES BAIRSTOW, Hallfax.
Mr. JAMES BAIRSTOW, Hallfax.
Mr. JAMES HIRST, Hallfax.
Mr. SAMUEL WIMPENNY, Holmfrith.

BANEER—The Hallfax Joint-Stock Banking Company.
SOLICTOR—John Edwards Hill, Esq., Hallfax.
MANAGER—Mr. John Clay, Accountant, Hallfax.
OFFICE,—20, COW GREEN, HALIFAX.

This company is formed for working a slate quarry about eight miles from Carnarvon
The quarry has been opened, and proved to contain slate of a very superior quality. The
Itase is for 30 years, renewable for 30 years. More than one-third of the shares are
already applied for, therefore an early application is necessary.
Samples of the slate from the quarry may be seen at the office, and also plans and see

tions of the quarry.

Prospectuses and forms of application for shares may be had on application to the se-cretary.

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THE NEW COMBMARTIN SILVER-LEAD MINING COMPANY (LIMITED).

Registered under the Companies Act, 1862, whereby the liability of the shareholders is strictly limited to the amount of their respective shares, and Table A in the Act adopted as the rules and regulations of the company.

Capital, £16,000, in 8000 shares of £2.

5s. to be paid on application, and 10s. on allotment,
No further call to be made until the expiration of a year; and then no instalment to exceed 5s. per share, nor at intervals of less than three months.

BASSET SMITH, Eaq., Elm-court, Temple, Deputy-Chairman of the Tewkesbury and Malvern Railway.

JAMES BANCKS, Eaq., Hroxbourne, Herts, Director of the Tamar, Kitt Hill, and Calmajor-General SHOHTREDE, the Rowans, Lee-road, Blackheath.

MOFFATT C. W. HORNE, Hifracombe, and Guildford-street, London, W.C.

WILLIAM YOUNG, Esq., Bath Houses, Instow, Devon, J. P.

JOHN A. PARRY, Esq., Hichland House, Barnstaple.

PHILIP STONEHAM, Esq., Hifracombe, F.R. C.S..

BANKERS—London: The City Bank, Threadnedle-street,
Barnstaple: West of England and South Wales District Bank.

SOLICITORS—Messers, Prichard and Collette, 67, Lincoln's Inn-fields, W.C.

BROKER—Mr. Edward Cooke, 75, Old Broad-street, E.C.

SECRITARY—Mr. George Frederick Goodman.

OFFICES,—7, GEORGE YARD, LOMBARD STREET, E.C.

SECRETARY—Mr. George Frederick Goodman.
OFFICES,—7, GEORGE YARD, LOMBARD STREET, E.C.

PROSPECTUS.

The object of this company is to explore and work a very valuable piece of mineral ground situate in the silver-lead district of Combmartin, in the north of Devon, which in ancient and modern times produced so much wealth, the grant of which valuable ground this company have succeeded in obtaining after much negociation.

The sett comprises the estates of West Challacombe and Leleester, and is granted for a term of 21 years, at 1-15th royalty. It extends over 150 acres of mineral ground, about three-quarters of a mile long on the course of the lodes, and is adjacent to the celebrated Old Combmartin Mines, which paid such handsome dividends to its shareholders.

There are nine lodes opened in the sett, the properties and value of which are clearly stated in the annexed reports; and all that is necessary to make this a valuable and dividend-paying property is careful management and economic outlay. The series of rocks, of which the New Combmartin sett forms a part, is described by geologists to be or similar mineral formation to the productive mines of Germany and Brittany.

Mr. Evan Hopkins, F.G.S., considers some of the features affecting this property of the behavior of the combmartin district.

Mr. Nicholas the main lodes as well as the dislocations and controtions of the rock they intersect, and believes they will produce large masses of argentiferous lead ores in this property, and sustain the character of the Combmartin district.

Mr. Nicholas Ennor regards the rock of Combmartine minently adapted for producing sliver-lead ores, which may be readily wrought by extensive adit levels on the lodes.

Mr. Nicholas Ennor regards the rock of Combmartine minently adapted for producing sliver-lead ores, which may be readily wrought by extensive adit levels on the lodes.

Mr. Nicholas University of the rock they intersect, and believes the highest opinion, and in which he was supported by other very eminent mining ant

the highest opinion, and in which he was supported by other very eminent mining authorities.

The numerous flookan lodes and cross-courses in this sett are masterly, well-defined and composed, having various angles of bearing—the former being N.W., N.E., and E. and W., while the latter run N. and S. The matrices of the ore are second to none, consisting of flookan, congenial friable spar, abundance of carbonate of lime, rich copper carbonate of iron, mundle, blende, oxide of iron, quartz, chlorite, &c. The probabilities of profitable lodes of ore being found at many of the very numerous junctions in this property are great.

Mining works of ancient crowns exist in New Combmartin sett, which collaterally greatly add to its value, inasmuch as the enormous discoveries of ore in Old Combmartin Mines in 1836 entirely arose from a resumption and pursuance, at a slightly deeper point, of precisely similar bygone works.

The almost perpendicular cilif which forms the north boundary of the sett is 50 fms. high, for three-quarters of a mile long, with the lodes cropping out therein, on the course of which addit levels can be immediately begun, and which can be met by deep levels on the same lodes from the south, so that the result of these natural favourable features, may be moderately estimated at a saving of £10,000, and the delay of many years is avoided.

There is an excellent stream of water for dressing and other purposes.

may be moderately estimated at a saving of £10,000, and the delay of many years is avoided.

There is an excellent stream of water for dressing and other purposes, and the carriage of materials, and freight of ore, &c., cannot be less anywhere than in this mine. The ore already raised from this set its of first-rate quality, and the reports hereto appended show that, under judicious management, a most profitable mine at a small outlay will be the result. Indeed its questionable if more than the allotment deposit will be needed.

£17 5c. per ton has been offered for the ore by Messrs. Sims and Willyams, Lianelly. The present proprietors of this valuable property have agreed to accept out of the proposed capital the sum of £4000 in puld-up shares in the capital of the company. The works will be commenced when one-half of the shares offered to the public are subscribed for; and if that amount be not subscribed for by the 2d of April, 1864, the deposits will then be returned in full.

Prospectuses, together with plans of the property, detailed reports from Capts. John Treweek, Wm. Trelease, John Blamey, William Newton, Alfred S. Kingdon, and William Phillips, and forms of application for shares, can be obtained, and specimens of the ore seen, on application to the secretary, at the offices of the company, and at Mr. J. D. Yound's Foundry, Barnstajes.

BRITISH AND FOREIGN STOCK, SHARE, AND MINING OFFICES, No. 2, WINCHESTER BUILDINGS, GREAT WINCHESTER STREET, LONDON, E.C.

MESSRS, FULLER AND CO. continue to BUY and SELL EVERY DESCRIPTION of SHARES in BANKS, CANALS, MINES, RAILWAYS, and GOVERNMENT STOCK, either for money or account. Stock Exchange business effected upon the nearle commission.

the usual commission.

Capitalists who seek safe and profitable investment will find that mines afford a wirrange for profit than any other public security, and pay dividends quarterly from 15 to 20 per cent. per annum. Progressive mines frequently advance hundreds per centages.

n value.

Mesers. Fuller and Co. having channels for the disposal of shares comprised in the Mesers. Fuller and Co. having channels for the disposal of shares comprised in the miscellaneous list, invite the holders thereof to communicate with them f and having had upwards of 20 years' experience in the mining market, are prepared to advise as to the purchase of shares for an early advance in price, and for becoming a safe and remunerative investment.

nerative investment.
Telegraphic messages promptly attended to, and every information supplied, either
personally or by letter. Office hours, from Ten to Four o'clock.
Bankers: The Metropolitan and Provincial, Cornhill.

MR. GEORGE HENWOOD, MINING ENGINEER,
LOCHHEAD HOUSE, LOCHWINNOCH, SCOTLAND, OFFERS his SERVICES and ADVICE on mines situated in any part of Engiand, Scotland, Wales, Ireand, Isle of Man, &c. Mr. Henwood's extensive experience in his peculiar department
of mining science is well known, and will be exerted to the utmost for the benefit of
his clients.

NICHOLLS, WILLIAMS, AND CO., ENGINEERS,
MANUFACTURERS of STEAM ENGINES of EVERY DESCRIPTION, made on
the BEST and NEWEST PRINCIPLES. We beg more especially to call the attention
of the public to the manufacture of our Bolliers, which have been tested by most of
our leading engineers. PUMP WORK CASTINGS of EVERY DESCRIPTION, both
of brass and iron. HAMMERED IRON and HEAVY SHAFTS of ANY SIZE.
CHAINS made of the best iron, and warranted. RAILWAY WORK of EVERY
DESCRIPTION.
ALL ORDERS FOR ARROAD RECEIVE their BEST ATTENTION. NICHOLLS,
WILLIAMS, and Co. have had 20 years' experience in supplying machinery to foreign
mines, and selecting experienced workmen to erect the same, where required.
Measrs. Nichouls, Williams, and Co. have always a LARGE STOCK of SECONDHAND MINE MATERIALS in stock, and at moderate prices.

MESSES. W. DERRY AND CO., MINING MATERIAL MERCHANTS, ST. AUSTELL, respectfully inform the mining public that they have constantly ON SALE EVERY DESCRIPTION of MINING PLANT, in STEAM ENGINES, pluwork, and dressing appliances, which they are prepared to offer on very advantageous terms, and such as will especially commend themselves to the projectors of new undertakings.—Applications to be addressed as above, or to the engineer of the company, Mr. W. H. Grax, St. Austell.

Dated St. Austell, August 12, 1863.

WILLIAM MATHEWS, ENGINEER, TAVISTOCK, has FOR SALE: -ONE 30 in. CORNISH PUMPING ENGINE, with BOILER 9 tons; ONE 14 in. HORIZONTAL WHIM ENGINE and cage, with BOILER 4½ tons; TWO 10 horse PORTABLE ENGINES, for winding or pumping; ONE CORNISH CRUSHER; ONE 30 ft. diameter WATER WHEEL, 9 ft. breast, iron axie, sockets and rings; 60 fms. of 3 in. flat-rods, with pulleys.

RAILWAY CARRIAGE COMPANY (LIMITED).

ESTABLISHED 1847.

OLDBURY WORKS, NEAR BIRMINGHAM.

MANUFACTURERS of RAILWAY CARRIAGES and WAGONS, and EVERY
DESCRIPTION of IRONWORK.

Passenger carriages and wagons built, either for each or for payment over a
period of years.

CHIEF OFFICES,—OLDBURY WORKS, NEAR BIRMINGHAM.
LONDON OFFICES,—6, STOREY'S GATE, GREAT GEORGE STREET,
WESTMINSTER.

THE BIRMINGHAM WAGON COMPANY (LIMITED)

is PREPARED to SUPPLY RAILWAY WAGONS of EVERY DESCRIPTION capable of carrying 6, 8, or 10 tons, at annual rentals, or for purchase on deferred payments, on advantageous terms.

OFFICES,—3, NEWHALL STREET, BIRMINGHAM.

CHORTRIDGE, HOWELL, AND CO., HARTFORD STEEL
WORKS, SHEFFIELD, SOLE MANUFACTURERS OF HOWELL'S PATENT
HOMOGENEOUS METAL PLATES for BOILERS, LOCOMOTIVE FIRE BOXES,
and TUBES, COMBINING the STRENGTH OF STEEL with the MALLEABLIF,
O. COPPER. RUSSELL AND HOWELL'S PATENT CAST STEEL TUBES,
McCONNELL'S PATENT HOLIOW RAILWAY AXLES.—For prices and terms, apply to Shortridge, Howell, and Co., Hartford Steel Works, Sheffield; or Messrs,
HARVEY and Co., 12, Haymarket, London.

CORNISH CRUCIBLE AND BLACK-LEAD POT MAKER JOHN JULEFF, FORE STREET, and PEDN-AN-DREA, REDRUTH.

The WEST ARDSLEY COMPANY having, by recently patented improvements, perfected their coal cutting machinery, worked by compressed air, are NOW READY to MAKE CONTRACTS for the CONSTRUCTION and USE of their MACHINES. The results of twelve months' experience in the working of these machiners, by the West Ardsley Company, have proved most satisfactory, their use being found to CHEAPEN the COST and IMPROVE the average SIZE of the COAL, to LIGHTEN the LABOUR, and also to MODIFY the SANITARY CONDITION of the MINES. All communications to be made to Messrs. Firth, Donisthorpe, and Bower, No. 8, Britannia-street, Leeds.

NOTICE.—The WEST ARDSLEY COMPANY, having reason to believe that their patents are being infringed upon, hereby give notice that they will TAKE LEGAL PROCEEDINGS AGAINST ALL PARTIES who may MAKE FOR SALE, or USE ANY MACHINERY in the construction of which any such INFRINGEMENT is MADE.

Adopted by the Governments of Great Britain, Spain, Denmark, Russia, Brazil, East and West Indies.

A S T O N'S PATENT BOILER FLUID, FOR REMOVING AND PREVENTING INCRUSTATION IN STEAM BOILERS, LAND AND MARINE, P. S. EASTON AND G. SPRINGFIELD, Patentees and Sole Manufacturers, 37, 38, and 39, WAPPING WALL, LONDON, E., Or of their Agents in the principal towns of Great Britain and the Colonies.

EDWARDS'S PATENT MINERAL ORE AND COAL WASHING MACHINE.—This is by far the MOST ECONOMICAL, as well as the MOST PERFECT MACHINE MADE. Each machine is capable of washing 28 to 50 tons per diem, according to quality.—Full particulars, testimonials, &c., may be obtained from E. Edwards, Esq., C.E., 1, York-buildings, Adelphi, where a working received was to seen.

IMPROVED APPLICATION OF WATER-POWER.

THE TURBINE.—MAC ADAM BROTHERS AND CO.,
ENGINEERS, SOHO FOUNDRY, BELFAST, have been engaged for 12 years,
with complete affecess, in MANUFACTURING their IMPROVED TURBINES, and
can recommend them with confidence.
This machine is applicable to all practicable heights of fall and quantities of water,
giving a much higher percentage of power than any other description of water-wheels.
On low falls it has the additional advantage of not being affected by floods or backwater, and it is particularly well adapted for any falls where the quantity of water is
variable.
Further particulars on application; also, references to turbines now at work on a great
variety of falls.

A SSAYS AND ANALYSES UNDERTAKEN at MODERATE CHARGES, by Mr. ARTHUR EVANS, LECTURER ON CHEMISTRY, NORMAL COLLEGE, SWANSEA.—Parcels to be directed Mr. A. Evans, 12, High-

STREET, SWADSES.

MESSRS. C. SCHIELE AND CO., ENGINEERS, INVENTORS, PATENTEES, AND SOLE MANUFACTURERS OF SCHIELE'S PATENT TURBINE WATER WHEELS of 1863.

SCHIELE'S PATENT SILENT FANS of 1863.

SCHIELE'S PATENT SILENT FANS of 1863.

SCHIELE'S PATENT SILENT FANS OF 1863.

SCHIELE'S PATENT TURBINE STEAM ENGINES of 1863.

SCHIELE'S PATENT TURBINE STEAM ENGINES of 1863.

SCHIELE'S PATENT MARINE VENTILATORS of 1863.

SCHIELE'S PATENT MINE YENTILATORS of 1863.

SCHIELE'S PATENT COMPOUND PANS of 1863.

SCHIELE'S PATENT COMPOUND BLAST ENGINES of 1863.

SCHIELE'S PATENT GOVERNOR of 1863.

SCHIELE'S PATENT GOVERNOR of 1863.

SCHIELE'S PATENT GRUSHING MILLS OF 1860.

SCHIELE'S PATENT CRUSHING MILLS OF 1860.

SCHIELE'S PATENT CRUSHING MILLS OF 1860.

SCHIELE'S PATENT ERUSHING MILLS OF 1860.

TOFFICES,—2, CLARENCE BUILDINGS, BOOTH STREET, MANCHESTER.

ALL MACHINERY ERECTED by us GUARANTEED.

ALL MACHINERY ERECTED by us GUARANTEED.

The following is copied from the "Manchester Examiner and Times," Oct. 21, 1863:—
SCHIELE'S WATER TURBINS.—A remarkably ingenious improvement has been effected by Massra. C. Schiele and Co., of this city, in the invention of the water turbine, or wheel. Wherever a stationary engine is fixed a water turbine may now take its place, effecting an entire saving of coal and engineering, besides taking away all risk from for or explosions. They are so compact that one, measuring 4 in. by 3 in. deep, will work large organ, by being fixed in the ordinary way to the water-pipe. The water pressure during the day in Manchester, by the Corporation Waterworks, is equal to 47 lbs. to the square inch, and at night it is 70 lbs. to the square inch, is an other composer of the turbines varies from that of a boy to that of 1000 horses and upwards. From the of of the turbines varies from that of a boy to that of 1000 horses and upwards. From the poculiar construction of the turbines, also, it is impossible for them to become choked with leaves or sticks, as is the case with most other turbines. Several small ones are fixed, and are working machines of various sorts in Manchester, and the demand for them is so great that they bid fair to supplant the major portion of the stationary engines now in use, where a cheap supply of water can be had. They are applicable for domestic, commercial, and agricultural purposes, and may be placed in drawing, dining, breakfast rooms, or cellars; they are always ready for work, and may be set going or stopped at any moment by simply turning a tap. They will work printing presses, printing-machines, hoists, and drive hydraulie presses. The size of the little machines, which may be carried in the haado, and the work they do, are in remarkable contrast, and it is only carried in the hand, and the work they do, are in remarkable contrast, and it is only by seeing one at work that its real importance and value can be appreciated. Several of them may thus be seen by applying at the offices of Messrs. Scuttex and Co., Clarence-buildings, Booth-street.

For other opinions of the press see "Manchester Guardian," Oct. 13, 1863; "Man-

For other opinions of the press see "Manchester Guardian," Oct. 13, 1863; "Manchester Courier," Oct. 24, 1863; "Salford Weekly News," Oct. 24, 1863; "Frestor Guardian," Oct. 24, 1863.

CREASE'S PATENT EXCAVATING MACHINERY, TO SUPERSEDING the SLOW and EXPENSIVE USE of MANUAL LABOUR IN SINKING SHAFTS, DRIVING LEVELS, TUNNELLING, &c., is guaranteed to trive through any rock of average hardness at a minimum rate of 1 fm. per diem, and os sink shafts at the rate of 2 fms. in three days.

Mr. Creases will undertake contracts for sinking shafts, driving lèvels, &c., at an enremous reduction of time and great saving in cost.

Mr. Chrass will undertake contracts for sinking shafts, driving lèvels, &c., at an enormous reduction of time and great saving in cost.

Applications to be addressed (for the present) to the patentee, Mr. E. S. Crease, Tavistock, Devon.

By providing the power of calculating the time and cost to explore a certain depth and extent of ground, speculation in mining will be assimilated to commercial pursuits, with this unmistakable advantage—that when the ground has been once carefully and judiciously selected, and operations properly and systematically carried out for its development, there would be far less chance of unsatisfactory results than are met with by merchants and manufacturers in the usual routine of their business. As this important invention must beneficially interest the landowners, mine proprietors, merchants, and miners, we opine it will meet with immediate adoption.—Mining Journal.

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East Caradon (cop	per), St. Cleer [S.E.] 2 14	6., 2814., 2984 3034	9 2 6. 0 19 0—Jan	1864 2200 1864 12000 1864 915	Buller & Basset, (cp.) Redru Burren (lead, calamine) [L. Calstock Consols (cop.), Cal Calvadnack (tin), Wendron	th 4 6 6 — [5] 5 0 0 — it. 1 17 6 —	Jun	e, 1863 102 e, 1862 561	4 North Wheal B 0 North Wh. Cro 4 N. Wh. Robert	ty(copper) 10 ty(cop.) [S.E.] 2 Samp. Spiner	6 6. 51/4.	*74
Ent I out (tim, co	prost, root, ritogan 25 8	0	93 10 0 2 0 0—Feb. 350 0 0 5 0 0—Dec. 1 0 0 0 7 6—Jan. 62 0 0 1 0 0—Sept.	1864 4000	Camborne Consols (copper)	18 10 0	Feb.	1863 400 1864 409 1863 1000	0 N. Wrey (ld.), 8 6 Okel Tor (cop.) 0 O. Wh. Neptune	t. Ive [L.£2]. 1 Calstock 6 [6000£2 10s.pd.,	0 0 — 11 6 — 4000 10s.pd.)	0
Frank Mills (lead Great Wheal Fort Great Wh . Vor (th	11 (tin), Wendron 2 13 (e) eo f Man [L.] 25 0), Christow 3 18 (une (tin), Breage 18 6 n.cp.), Helston [S.E.] 40 0 ear Liskeard [S.E.] 8 10 ardiganshire, Wales* 18 15 (poer), Caradon 4 10 (e) ear Liskeard [S.E.] 4 10 (e) ear Liskeard [S.E.] 8 10 (e) ear Liskeard [S.E.]	6 — 0 22 19 20 0 1814 20 21	1 0 6 0 3 0—Feb.	1864 914 1863 10000	Camborne Vean & Wh. Fran Cambrian Consolid. (gd.) [L., Caradon Cons. (cop.), St. Cle Caradon Vale (copper) Caradon Unit. (cop.), Liskea Carmarthen United (lead) Carnelloe (tin and cop.), Zene	22] 1 0 0 — er 28 4 6 —	Aug Dec.	. 1862 100 . 1863 846 500	0 Pant-y-Pydew (5 Pedn-an-drea (0 Pendeen Cons. (lead)	7 6 16 6 7 0 7 16 6 16	634
Herodsfoot (ld.), r Lisburne (lead), C Marke Valley (co	near Liskeard [S.E.] 8 10 ardiganshire, Wales 18 15 oper), Caradon 4 10	0 150 0 150 6 736 6% 736	2 17 6 0 5 0—Dec. 28 0 0 1 15 0—Feb. 415 10 0 3 0 0—Dec. 2 12 0 0 1 6—Jan.		Caraden Unit. (cop.), Lishea Carmarthen United (lead) Carnelloe (tin and cop.), Zenn	d 1 00	June Fuil	y paid. 51 1864 600	0 Penhalls (tin), 2 Penhallow Moor 0 Penralt (sil. ld.	St. Agnes 2 (silver-lead). 1), Merion.[L.] 2	10 0 0 0 7 0	
Minera Mining Co. Mining Co. of Irel Mwyndy (iron ore	ardiganabire, Wales 18 18 18 18 18 18 18 18 18 18 18 18 18	0 – 0 –	. 128 18 0 6 5 0—Nov. . 16 7 4 0 9 9—July,	1863 9000	Carn Camborne (cop.), Camb Carn Vivian (tin, cop., lead Carnyorth (tin), St. Just	1 4 6 – 1 2 1 6 – 1 4 5 0 –	Jan.	. 1864 20 . 1861 600 e, 1863 1280	0 Pentre Lygan (i 0 Polhigey Moor (0 Prince of Wales	ad),[L. £30] 20 tin),Wendron 1 (tin), Calstock 0	18 0	b
lan Concela (con)	Ot Blonew CO TO 1 1 0 4	/8/6	. 5 0 0 1 0 0—Dec. . 0 5 6 0 2 0—Sept. . 0 13 0 0 2 6—Feb.	1863 1863 2500 1864	Carnyorth (tin), St. Just Carnyorth (tin), St. Just Carysfort [3200 £2 ½ pd., 16: Castleward, Ireland [L.] Cefn Cilcen (id.), Flint [L. & Cefn Cwm Brwyno (lead) Central Grylls (tin) [L. & Central Grylls (tin) [L. &	. 1 0 0		y paid. 600 1864 1015 r, 1863 12	0 ProsperUni.(tin 6 Redmoor(cop.,t	cp.),St. Hilary 7 in),Callington 0	5 0 — 0 0 — 1 6 7½ 7 7 13 0 — 10 0 —	14A
Parys Mines (copp Polberro (tin), St.	oopper), St. Agnes. 1 9 (sep. 1 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	: - :: :	. 86 19 0 0 2 6—Mar. . 82 10 010 0 0—Oct. . 7 19 6 0 10 0—Nov.	1863 2000 1863 2500 1863 6000	Central Minera (lead) [L.£5	2 5 0	2 216Jan.	1863 500	Rosecliff (all -ld	St Columb		
Providence (tin), Rosewall Hill and South Caradon (co	Uny Lelant [S.E.]. 10 6 Ransom United 2 16 6	45144414 4516	71 0 0 1 5 0-Nov. 0 10 0 0 1 6-June,	1863 5000 1863 3000 1863 1000	Chiverton Consols (all -load)	0 5 0		1963 384	Rosewarne Cons	d (on tin)	9 0 – 8 0 – 10 0 – 2 2	N
South Tolgus (cop. 3. Wh. Frances (co 5t. Ives Consols (t), Redruth, Cornwall® 8 0 0 op.), Illogan® [S.E.] 18 18 (dn), St. Ives† 8 0 0	43 41 43	. 74 10 0 1 0 0—May, . 370 13 6 1 0 0—Nov. . 489 10 0 1 0 0—Feb.	1863 4000 1863 1024	Chiverton Moor (lead) Chiverton Wheai Hope (lead) Chiverton Wheai Rose (sild. Clara Unit., Ponterwyd [L. & Cleer's Hill (tin), St. Stephen		Oct.	1863 70 1864 200 1250	Roskearnowth (c Scorrier Con.(tin Silver Moun. (le	op.), Camborne 1 ,cp.),St.Agnes 4 ad) [L.] 9	10 0 13 6	Ja
Fineroft (cop.,tin) West Basset (copp W.Chiverton,(id.),	,Pool,Illogan [S.E.] 9 0 0 er), Illogan [S.E.]. 1 10 0 Perranzabuloe[S.E.] —	21 20 21	13 18 6 0 10 0-Nov. 24 18 0 0 5 0-Nov. 1 10 0 0 15 0-Jan.	1863 787 1863 3565 1864 17000	Clijah & Wentworth (tin, cp Cood Mawr Pool (lead) [L.]	. 5 0 0 —	Nov.	1, 1863 2000 1, 1863 1200 1864 600	O Scorrier Con.(tin O Silver Moun. (In O Sil.Vein,St. Win O Sorridge Cons. O So.Alfred (cop.),	ow[15000£1 pd., (cop.) [S.E.]. 0 Phill.& Gwin. 0	5000 5s. pd.] 19 0 — 10 0 114	Ja
West Damsel (cop) W.Wh.Seton (cop) Wheal Basset (cop)	per), Gwennap 38 10 0 .), Camborne[S.E.]* 47 10 0 per), Illogan*[S.E.] 8 2 6	96 90 95 195 190 200 85 90 95	. 48 0 0 1 0 0—Jan. . 401 0 0 4 0 0—Feb. . 597 0 0 1 10 0—Feb.	1864 10000 (1864 861 (Connorree (cop., sulph.) [L. Cornubia (tin) [7000 £2 paid Crane (copper), Camborne Crenver and Wh. Abraham [L.	3000 10s. paid]		1862 100 1863 600	South Basset (co South Bryn Gw So. Buller (coppe	p.), Gwennap 15 og (lead) 7 or), Gwennap 0	10 8 10½10 10 0 0 — 14 0 — 17 6 — .108.	01/2Fe
Wheal Bayset and Wheal Grylls (tin) Wheal Kitty (tin)	Grylls (tin) 7 0 0 b, Perranuthnoe 2 4 0 St. Agnes 5 4 6	.: 29 .: 7½ 8 .:	. 3 0 0 0 10 0—Oct. 6 2 0 1 0 0—Sept. 1 8 6 0 5 0—Jan.	1863 1863 1864 1864	renever and Wh. Abraham [L] relake (cop.), Tavistock rrookhaven (cop.) [L. £2] rowan Cons. (cop.) [L. £2] rowalwm (lead), Llanidloes	2 10 0 2 10 0						12sFe
Vh. Margaret (tin) Vh. Mary Ann (ld.	Uny Lel. [S.E.] 2 0 6 , Uny Lel. [S.E.] . 9 17 6 .), Menheniot [S.E.] 8 0 0	18 14141314. 1414	9 7 6 0 7 6—Jan. 76 5 0 1 0 0—May, 67 7 6 0 10 0—Mar.	1864 1863 1863 1800			June,	1863 6000 1863 6000	S.Condurrow (ti Sou. Crenver (co South Darren (1 S.Dolcoath & Ca S. Foxdale(id.) I	d.) [L.£3½] 3 marthen Con. 2	2 6 = :: 13 0 = ::	As
Vheal Seton (tin, or Vh.Trelawny(sil	copper), Camborne . 58 10 0.	160 . 175 180 2414 2214 23	166 15 0 4 0 0—Feb. 49 0 0 0 15 0—Feb.	1864 85000 I 1864 200 I	wmbrane (lead) [L. £3] bale (lead). North Stafford barren (lead), Cardigan beepLevel,Minera(ld).[L.£5 Ding Dong (tin), Gulval	20 0 0 40	NovFully 40JanFeb.	paid. 2000 1863 2000	South Gorland (consoling South Grylis (consoling S. Herodsfoot (lead) So. Phonix (consoling South Sout	op.), St. Day 4	10 0 6 6	Ja
	tin), Gwinear 6 11 3 [L.], Wicklow 2 10 0 ds paid every two months.			1863 672 I 20000 I 1000 I	Ding Dong (tin), Guival holfrw-y-nog (gold) [L. £1] Durlo (tin), Lelant	44 10 6 — 0 15 0 — 8 2 0 —	Dec. Feb.	1863 4000 1864 5325 1862 1024	8. Minera (lead) 80. Phonix (cop 8. Tresavean (co	[L. £5½] 3 .) Linkin 7 p.). St. Day 5	5 0 — 1 4 —	· · · Ma
	MINES WITH D			#USO E	holfrw-y-nog (gold) [L. £1] Durlo (tin), Lelant Durlo (tin), St. Austell [L.] Aglebrook (lead) [L. £20]. Sast Alfred Consols (copper)	0 10 1	as Aug.	1863 1024	S. Wh. Lovell(t	n), wendron 2	6 7 — 8 10. — 20 2 18 2 —	2Feb
				1000 E 1862 8000 E 1862 6000 E	ast Basset and Grylls (tin). Beam (tin), St. Aus. [L. £2] Bottle Hill (tin), Plympto	1 10 0	Dec.	1863 400	So. Wh. Seton (co Spearne Cons. (to St. Cuthbert Ld. & St. David's (gold	o.).Camborne 43	13 0	. Dec
hiverton (lead), l ondurrow (cop., t ook's Kitchen (co	Just	12 13 14 2119½ 20½	85 0 0 2 0 0—June, 1 7 0 0 7 0—May,	857 50000 E 862 6000 E	. Brookwood (cop.), Ashbrit ast Cambrian (gold) [L. £1] ast Carn Brea (cop.) Redruth	1 7 0 — 0 10 0 — 3 15 0 714	Jan. May, 77%Feb.	1863 1024	St. Ives Wheal	lien (tin) 11	1 7 ::	Feb.
					.Clogau(gold), Merio.[L.£1 ast Devon Gt. Consols (cop.	0 50	5 5% Sept May, Jan.	1863 640	St. Just Untd. (t St. Just Consols Stamp Office (lea	1), Mold 1	0 0	Feb.
wmgwm (lead), !	til (cop.), Tavistock 5 16 3 Wales		0 17 6 0 2 6—Jan. 41 9 3 0 2 6—June,	863 6000 E	. Falmouth (sld.), Kenwy . Grenville (cop.), Camborne . Gt. Work (tin), Breage [L£ . Gunnis Lake& S.Bedf.(cop.	2 1 0 234	2½ 2¾Feb. Jan. ¾ 1Jan.	1864 3500 1864 6000	Tin Hill (tin), St Tolcarne (cop.), Tolvadden (coppe	Austell 0 1	5 6 30 30 3 12 6 — 1½ 1 5 0 —	% Dec.
elly Bray (lead,	ters' Adit) 0 2 0, copper), Callington. 4 15 6,), St. Just 2 10 0.			862 6145 E 860 1024 E	ast Jane (silld.), Cardinha . Margaret (tin), Uny Lelan	19 0 0	Nov.	1863 5000 1864 1024	Treloweth (copper Trencrom (tin), Tresellyn and Sc	r), St. Erth. 7 Uny Lelant. 12	8 8 3681% 1	Jan.
ount Pleasant (le ewtownards Mini reedd (lead), Flin	and), Mold 4 0 0. ing Co., Co. Down 50 0 0. tabire 0 0 8.	= : :	56 0 0 1 0 0—Sept.	862 8000 E	. Martha (cop.), [L. £2 10s. .Polberro(tin)[L.£1][4000£ . Providence (tin), Uny Lel. . Rosewarne(cp.,tin), Gwin.	4 4 8 414	Dac.	1863 512 1863 5600	Tresavean and Tr	emenheere . 6	15 0 ::	Nov.
pearne Moor (tin, relyon Consols (t	ad), Christow 1 5 0, copper), St. Just 31 17 9, in), St. Ives 12 10 0,	321/4 30 321/4	0 5 0 0 5 0—Dec. 1 9 15 0 1 0 0—June, 1 7 0 0 0 10 0—Sept. 1	862 256 E 860 1024 E	, Rosewarne (cp.,tin),Gwin. ast Seton (cop.), Camborne. ast Tolgus (copper), Redruti . Treskerby (cop.), Redruth	82 0 0	Oct.	1863 2048 1863 2500	Treworlis (tin),	Vendron 4 1	19 10. — 2s. 6d. paid)	Jan. July
welve Apostles An igra and Clogau (nal. (id.), Wrexham 1 0 0,	: = :: ::	11 0 0 2 0 0-Mar.	862 1190 E 1300 E 2000 E	Wheal Agar (cop.),St.Cleen ast Wheal Etlen	0 5 0	Sept.	1863 6400 1863 6000 1863 20000	Trumpet Unit. (t Tyne Head (tin & Tywarnhaile (cop) Vale of Towy (les Wentnor [L. £2]	cop. [L. £1] 0 1 er) 5 d), Carmar. 0 1	6 0 — 0 0 — 5 6 6s 4s. 6	Jan.
Vendron Consols (tin), Wondron 15 13 10 (lead), Yorkshire 50 0 0 . .), Liskeard [S.E.] . 5 0 0 . is (tin and copper) . 7 10 0 .	. 7 6 6%	14 10 0 3 0 0—June, 1 101 1 3 0 10 0—Oct.	861 2048 E 861 4000 E	ast Wheal Grylls (tin, cop.) . Wh. Russell, Tavis. [S.E.] rwfelin (lead) [L.] sther Und. (tin), Cardingham	8 12 0 514	13 14June,	1863 60000 1863 20000	Welsh Gold, Dolg West Beam (tin)	[L. £1] 01	7 6 ::	Oct. Futly
Vheal Buller (cop. Vheal Friendship), Redruth [S.E.] 10 0 0. (copper), Devon 50 0 0. r-lead), Kea 3 10 0.	. 41 38 40	0 19 0 0 3 0—May, 1 929 0 0 2 0 0—Mar. 1 2400 10 0 5 0 0—Feb. 1 13 10 0 1 0 0—Mar. 1	861 6000 F	sther Und. (tin), Cardingham ortescue Cons. (sil.), Endellion urze Hill Wood Cons., Buckl arden (tin), Morvah	1 4 0	208. 009 Jan.	1218	West Clogau (gold W.Condurrow(tir W. Cornwall Cons West Devon Con.	(tin) Kea 1	0 0	Sept.
Theal Mary (tin),	Lelant 36 2 6.	:: = :: ::	284 5 0., 4 0 0-Mar.	862 4096 G 1000 G	ariidna Untd. (tin), Wendron arreg (lead), Flint awton (copper), Tavistock.	5 14 6 —	Oct.	1863 6000	W. Grylls (tin), I	erranuthnoe 0	4 0 ::	Nov.
natrallan (cop.).	FOREIGN DIV 8. Australia [S.E.] 7 7 6.			80000 G	en. Min. Co. for Irel. (cop.) inagowCaradonCon.(cp.)[L.	1 0 0	Fully	paid. 19000	West Par Con. (cg W. Rose Down (co West Sharp Tor(co West Stray Park)	.)St.Blazey 2 1 p.),Caradon 10 p.)Rillston,155	4 6 — :: 2 6 — :: 0 0 — ::	Dec.
Burra Burra (con.	(silver) [L.] 5 0 0. (silver) [L.] 5 0 0. (cop.), Cuba [S.E.] 40 0 0. (Rey[L. £1] [S.E.] 0 10 0.	. 90	0 1 0 0 1 0—Dec. 1 310 0 0 5 0 0—June, 1 4 6 8 0 14 10—Dec. 1 99 12 0 1 0 0—Jan. 1	863 6144 G 863 2000 G	onamena (copper), St. Cleer. conzion (copper), St. Neot.	1 26	3% 4% Feb. Sept.	1863 513	West Trevelvan	tincopper) 3	8 10. —	- Then
Don Pedro No. De English and Austr East Indian Coal,	Rey[L. £1] [S.E.] 0 10 0. alian [S.E.] 5 0 0. Calcutta [L.] 10 0 0.	: = :: % % ::	0 0 9 0 0 9—Dec. 1 1 10 0 0 2 6—Feb. 1	863 4096 G	reat Brigan (cop.), Redruth. reat Caradon (cop.), St. Ive. t. Dev. & Bed. [L.] [2800 50s. 1 t. Laxey (lead), I. of Man [L.]			1863 9017 5000	West Wh. Kitty(t	n), St. Agnes 0	5 0 — .: 26 28 5 4 — .: 5 0 — .:	. Feb.
ortuna (lead), Sp Jen. Mining Assoc Capunda Mining C	alian [S.E.] 500. Calcutta [L.] 1000 alin [L.] [S.E.] 200, Nova Scotia [S.E.] 200, Australia [S.E.] 100.	156	0 11 0 0 10 0—June, 1	863 6000 G	reat North Downs (copper) t. Retallack (silld., blende) reat Tregune Consols (cop.).	2 4 6 34	6s. 8s Dec.	1864 6000	W.Wh.Martha(cp Wheal Agar(cop) Wheal Annie (co)	er), Illogan 4 1	3 0	Nov.
ontgibaud (sill	Ancho, Spain [S.E.] 3 0 0. end), France [S.E.] 20 0 0. c, Clunes [S.E.] . 1 0 0.	· - · · 6 7 · · · · · · · · · · · · · · · ·	1 7 3 0 7 3—Jan. 1 0 9 6 0 1 0—July. 1	864 3780 G 863 4000 G	reat Wheal Baddern (tin) rylls Wheal Florence (tin) t.Wh. Busy (cop., tin), Ken.	13 14 6. 4 46	31/4 31/4 May,	1863 6000 1864 1000 1863 6000	Wh. Caradon (cop Wheal Curtis (cop Wheal Crebor(cop	.), St. Ives. 1 1 .), Crowan . 3 1 .), Tavistock 1 1	5 6 — 6 6 3¼ 0 0 7¼ 7 7¼ 0 0 43s44s. 4	Dec.
nit. Mexican(sil. ancouver (coal) [, Clunes [S.E.] 1 0 0, L.], Brazii [S.E.] . 15 0 0, , Mexico [S.E.] Av. 28 5 0, L. £10] 5 0 0, ng Company [L.] . 1 0 0, p.), S. A. [L.] [S.E.] 3 0 0,	514 614.7	0 5 0 0 5 0-Oct. 1	863 3072 G	reat Work (tin), Germon	100 0 0	No cal		Wheal Crofty (cop Wh.Damsel(cp.,t Wh. Edward (cop.	.), Illogan 1 n), Gwennap 32 1), Calstock. 8	0 0 43s44s. 4 2 6 2½6¼ 5 3 6 — 2 6 1%1¾ 13 0 0 —	Jan. July.
udanamutana (co	p.), S. A. [L.] [S.E.] 3 0 0.	3 2% 3	0 5 0 0 5 0—Aug. 1	863 6068 G 6400 H 3000 H	urlyn (cop., tin), St. Erth. wydyr Park Con., Llanrwst arwood (ld.), Durham[L.£1] avan (ld.)., Cardigan [L. £5] azaei Grove (silld.) [L. £1]	1 0 3 — 0 5 6 — 3 0 0 —	Nov. Nov.	1861 4000	Wh. Emma(cp) B	& Sperries 4 1	5 0	o sJAL
	MINES WITH D		N ABEYANCE. 4 5 0 0 15 0-Nov. 1	6000 H	awkmoor (tin,cop.)Calstock ingston Down (cop.) [S.E.]	5 10 6. 534.	4% 5 Dec.	1863 6000	Wh.Grenville (cop. Wh.Harriett(cop. Wheal Hartley (co Wheal Hearle (tis	D. J. C. WILLIERT O T	0 0 5 % 5 % 5 5 6 6 1 % 2 5 0	May, 1
opiapo Mining Co t. Barrier Land, M	en Uni. (cop.) [L.£5] 4 10 0. mpany, Chiii [8.E.] 16 0 0. iin., &c., N.Ze. [L.£5] 4 10 0. tugai) [8.E.] 2 0 0. w Granada [8.E.] . 1 0 9.	: - ::	6 18 0 0 10 0—Nov. 1 15 per cent. —May, 1 0 19 9 0 1 0—Feb. 1	862 6000 K	logan (tin and copper) eswick (lead), Portinscale ddy Bertha (cop.) [S.E.] univet(tin) [L.£2] [1000 30s. eds & St. Aubyn (tin, cop).	5 6 6 ·	Nov.	1862 2048 1864 6000 1863 4800	Wheal Hope (sille Wheal Ida (sille Wh. Ludcott and	dd.), Perran 3 dd), St. Ive. 0 Wrey (lead) 3	5 0 5 514 5 0 5 8 214	Jan. 1 Jan. 1 Veb.
			0 9 8 0 1 6-July, 1	859 1019 L 963 L	eds & St. Aubyn (tin, cop). Blant Cons. (tin), Uny Lelant Angan (ld.), Glamor. [L.£25	17 6 4 — . 35 0 0 — . 120 0 0 —	Feb. Mar.		Wheal Margery (in, copper) 20	6 10. —	. Dec.
Mines	ON-DIVIDEND		Last Pr. Bus. done. Last C	4000 L 2000 L 2000 L	islant Cons. (tin), Uny Lelant angan (Id.), Glamor. [L.£5] antwit Vardre (coal), L.£5] antwit Vardre (coal), L.£5] ang Rake (lead), Flint. wer Park (id.), Denbigh[L.] wer Taldrws (slate) [L.] and lin (copper), Lostwithiel erilyn (lead), Flint. erryfield (lead) [L.]. linera Western Boundary [L.£1] Fool (copper) Maraxion. colland (cop.), S. Moulton. anglies (tin, copper), Kea anteos and Penrhiw [L.] anteo (lead) [L.£1] ant Minera (lead), [L.£20] ant.y-lago (ld.), Merioneth wer East Birch Tor (tin)	4 10 0 — 4 10 0 — 3 11 0 —	Dec, Oct, Jan,	1863 1024 1863 1024 1864 6000	Wh. Norris (tin,c Wheal Par (tin), S Wh.Polmear (tin) Wh. Pollard (cop.	t. Blazey 5 1 St. Austell 3 1 St. Neot's 3	0 0 – 3 9 – .: 1 6 – .:	. Oct. . Nor.
nglo-Brazilian (g	old) [L. £11 [S.E.]	0 5 0	Dec. 1	863 10000 L 6000 M 863 4480 M	wer Taldrws (slate) [L.] audlin (copper), Lostwithiel erllyn (lead), Flint	4 0 6 —		1863 25000	Wh. Pollard (cop. Wh. Prosper (cp., Wh. Prudence St. Wh. Reeth (tin),	Unv Lelant 96 1	0 0	Jan. Fot. Sept. Sept. Jan.
on Accord, South ape Copper Minin apula (silver), Me	Australia (copper) [L. £1] g Company [L. £10] [S.E.] exico [L. £2] [S.E.]	[S.E.] 1 0 0 7 0 0 0 15 0	7% 8% 9 Feb. 1 Jan. 1	864 3000 M 862 1024 M	erryfield (lead) [L.]	10 2 6 — : 18 15 0 — :		1863 9049	Wheal Sarah (tin) Wheal Sidney (tin) Wh. Sithney & Car	nmeat Uni. 10	3 0 3 344	
entral Italian (co arendon Consols opiapo Smelting	pper)[7000 £2 paid] (copper), Jamaica [S.E.] [L.], Chiii	1 26	–Jan. l	862 1024 N nid. 5000 N	angiles (tin, copper), Kea anteos and Penrhiw [L.]	16 10 0 36 4 0 0 —	Nov. Jan. Fully; Jan.	1864 960 paid. 6000	Wheal Sparnon (co Wh. Trannack (ti Wheal Union (cop Wh. Unity (cop., ti	n), Sithney 2 10	0 = 7 6 = 234, 3 8 0 = 34, 3 7 0 734 7 734	Jan. Oct. Feb.
un Mountain (con ast del Rey (gold ast Kongsberg Na	per), New Zealand [L.][S.), Brazil [L. £3] [S.E.] tiveSilver Mining Co. of No	rway [L.£5] 1 12 0	58	868 512 N 868 6400 N	ant Minera (lead), [L. £20] ant-y-Iago (id.), Merioneth	5 8 0 51/6. 3 17 6 31/4.	Feb.	1864 4096 1863 4500	Wh. Unity (cop., ti Wh. Uny (tin, cop Wheal Vlow (copp Wh. Vyvyan (cop.), Redruth 9	7 0 7 14 7 7 14 9 0 –	Juni, Mar. Oct.
lierslie and Bard	owie (copper), Jamaica ian Mining Company [L.] West Australia [L.]	0 18 0		859 12000 N	Cross Hill (ld.). St. Stenhen	2 10 6	Sent.	1863 994 1863 8097	Whitford (lead), I Worvas Downs (ti Yarner (copper), I	olywell 10 len), Lelant. 7	7 0 — ::	May, Juna Nov.
reat Northern (co indostan (copper ope Silver-Lend	pain] L. £2]. ng Company [L. £1] Australia (copper) [L. £1] g Company [L. £10] [S.E.]. szico [L. £2] [S.E.]. pper) [7000 £2 paid] (copper), Jamaica [S.E.] L.], Chili pper), New Zealand [L.][S.), Brazil [L. £3] [S.E.] tive Sliver Mining Co. of No pany, Bohemia [L.]. wie (copper), Jamaica lan Mining Company [L.]. Wost Australia [L.] pper), Sowa Australia [L. £3] Dengal [L. £5] om d Copper Mining Co. [L.], ompany [L.].	2][S.E.] 1 10 0 8 0 0 Jamaica 25 0 0	June, 1	863 400 N aid. 6400 N	ew E. Russell (cop.), Tavistk. ether Hearth (lead), Dufton ew Hendra (tin, cop.), Breag ew Pembroke (tin and cop.).	0 66	Mar	1863 1863		ISCELLAI		1
iontes Aureos (go	d), Brazii [L.] [S.E.]	2 00	234 214 234 Fully p	aid. 1024 N 6000 N aid. 6000 N	owRosewarne(cop.),Gwinear ew S. Caradon (cop.),St. Cle ow Treleigh Cons., Redruth	1 18 0 —		1863 1863 20000 1863 50000	Anglo-Mexican M Atlantic Roy.Mail	nt 20 · 0	0 181418 1814	Pally
lew Granada (gold	(copper) (Australia) i), South America [S.E.] of Baden (sliver-lead), near r of South Australia [L. £1]	1 0 0	Fully n	862 960 N nid. 1024 N	ew Trevenen (tin), Wendron ew Wendron (tin), Wendron ew Wh. Grylls (tin and cop.)	9 16	Jan.	1864 8915	Discount Corporati	CT. £1001 7 16	0 11 10 11 0 7 74 8 0 174 1734 189 0 124 124 125	***
ova Scotia (land land schuca Silver Mu	and gold) [L. £2]	1] 1 0 0	Nov. I	10000 N	ew Wheal Martha (cop.) [L. ew Wh. Rose (id. and blende) ew Wh. Seton (cop.), Camb. orth Buller (cop.), Redruth. .Coniston (cop.), [L.] 6000 £1			1863 150000 1864 20000	Inter. Financial Scientificational Discount	c. [L. £20] 5 0 so.[L.£50] 15 0 co.[L.£28] 5	0. 12% .12% 129 0. 28% .26 26% 0. 2%	
anulcillo (copper)	d Mineral [Limited]	1 0 0	214214 214 Feb Stock.	864	orth Buller (cop.), Reduct. Coniston (cop.), [L.] 6000 £1 Chose mines with [S.E.] app	. V1750 1		20000				
anta Barbara (gol cottish Australia onth Europe Min	d), Brazil [L. £1] a Mining Company [L. £1] ing Company, Spain [L. £5] b., Bohemia [L. £5] Italy [L. £1] [S.E.]	0 10 0	% . % %Mar. 1	862 863 860	and the state of t	Shave Tast serves	Lir	nited Liabilit	y	to aid us, by forw	arding any alteratio	ma or
Ceplitz Colliery Collanzasca (gold),	o., Bohemia [L. £5]	3 0 0 0 7 6 1 0 0 5 0 0	June, 1	863 ti	on which may, from time to formation. Reports from m	time, come under ince—in fact, mir	or their notice. To ning intelligence of	shareholders every descri	, as well as those otion, forwarded to	officially connecte our office, will m	d with the mines, we cet ready attention.	re appai
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